

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091319\
 Data File : VX012377.D
 Acq On : 13 Sep 2019 10:47
 Operator : SY/SP
 Sample : VX0913SBS01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 1:13:04 AM

Quant Time: Sep 13 12:26:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	125181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	197579	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	168152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	75422	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	60097	33.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.92%	
35) Dibromofluoromethane	5.49	113	57393	45.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.62%	
50) Toluene-d8	8.71	98	229959	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	11.14	95	82855	40.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	23934	23.386	ug/l	90
3) Chloromethane	1.31	50	19146	20.754	ug/l	97
4) Vinyl Chloride	1.40	62	19956	21.816	ug/l	98
5) Bromomethane	1.63	94	12421	31.819	ug/l	99
6) Chloroethane	1.72	64	12943	21.160	ug/l	97
7) Trichlorofluoromethane	1.92	101	37514	22.660	ug/l	99
8) Diethyl Ether	2.17	74	8525	15.091	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	25651	22.990	ug/l	99
10) Methyl Iodide	2.50	142	10785	10.156	ug/l	98
11) Tert butyl alcohol	3.03	59	12873	61.534	ug/l #	87
12) 1,1-Dichloroethene	2.36	96	21230	22.413	ug/l	96
13) Acrolein	2.28	56	5226	56.487	ug/l	87
14) Allyl chloride	2.72	41	34885	18.064	ug/l	100
15) Acrylonitrile	3.13	53	20938	59.961	ug/l	97
16) Acetone	2.43	43	29002	69.223	ug/l	93
17) Carbon Disulfide	2.56	76	37927	19.067	ug/l	98
18) Methyl Acetate	2.76	43	10192	11.574	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	50794	13.579	ug/l	93
20) Methylene Chloride	2.84	84	23032	15.819	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	22517	19.924	ug/l	91
22) Diisopropyl ether	3.84	45	70788	16.028	ug/l	95
23) Vinyl Acetate	3.80	43	176594	65.169	ug/l	99
24) 1,1-Dichloroethane	3.69	63	45123	19.073	ug/l	98
25) 2-Butanone	4.66	43	30541	57.023	ug/l	97
26) 2,2-Dichloropropane	4.57	77	44342	19.964	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	25575	17.529	ug/l	96
28) Bromochloromethane	5.00	49	15756	14.201	ug/l	96
29) Tetrahydrofuran	5.12	42	15427	53.386	ug/l	95
30) Chloroform	5.20	83	47486	17.800	ug/l	95
31) Cyclohexane	5.56	56	35692	21.719	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	44544	19.446	ug/l	98
36) 1,1-Dichloropropene	5.79	75	32732	22.720	ug/l	95
37) Ethyl Acetate	4.82	43	12145	13.637	ug/l #	87
38) Carbon Tetrachloride	5.77	117	38094	22.537	ug/l	94

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Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	37618	23.793	ug/l	99
40) Benzene	6.13	78	90890	20.845	ug/l	97
41) Methacrylonitrile	5.03	41	7599	13.841	ug/l	96
42) 1,2-Dichloroethane	6.18	62	28513	16.545	ug/l	97
43) Isopropyl Acetate	6.43	43	24291	12.937	ug/l	97
44) Trichloroethene	7.21	130	25758	21.828	ug/l	90
45) 1,2-Dichloropropane	7.51	63	22272	18.453	ug/l	97
46) Dibromomethane	7.65	93	10590	16.054	ug/l	99
47) Bromodichloromethane	7.89	83	30058	16.698	ug/l	98
48) Methyl methacrylate	7.76	41	11651	12.964	ug/l	96
49) 1,4-Dioxane	7.74	88	3230	266.341	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	60973	61.529	ug/l	99
52) Toluene	8.78	92	61007	21.183	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	26720	14.872	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	33016	16.572	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	15518	15.185	ug/l	98
56) Ethyl methacrylate	9.17	69	18490	13.363	ug/l	99
57) 1,3-Dichloropropane	9.37	76	27439	15.721	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	44054	62.120	ug/l	96
59) 2-Hexanone	9.49	43	42730	62.016	ug/l	100
60) Dibromochloromethane	9.57	129	18267	15.311	ug/l	99
61) 1,2-Dibromoethane	9.67	107	13819	14.527	ug/l	99
64) Tetrachloroethene	9.33	164	22484	25.283	ug/l	99
65) Chlorobenzene	10.14	112	64965	21.144	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	22900	19.772	ug/l	99
67) Ethyl Benzene	10.25	91	122822	22.476	ug/l	100
68) m/p-Xylenes	10.35	106	91773	45.623	ug/l	98
69) o-Xylene	10.70	106	42059	21.344	ug/l	98
70) Styrene	10.71	104	67489	19.311	ug/l	96
71) Bromoform	10.85	173	8332	13.873	ug/l	99
73) Isopropylbenzene	11.01	105	122013	24.573	ug/l	99
74) N-amyl acetate	10.89	43	21339	14.454	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	17928	16.812	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	15814m	16.321	ug/l	
77) Bromobenzene	11.25	156	24607	21.525	ug/l	97
78) n-propylbenzene	11.35	91	148261	24.727	ug/l	100
79) 2-Chlorotoluene	11.42	91	83982	22.607	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	103052	23.079	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	4059	12.552	ug/l	90
82) 4-Chlorotoluene	11.51	91	101161	22.659	ug/l	100
83) tert-Butylbenzene	11.76	119	105593	24.354	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	102222	22.145	ug/l	98
85) sec-Butylbenzene	11.94	105	126511	24.454	ug/l	100
86) p-Isopropyltoluene	12.06	119	113441	23.732	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	50829	21.827	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	48526	20.608	ug/l	99
89) n-Butylbenzene	12.38	91	106757	22.787	ug/l	100
90) Hexachloroethane	12.59	117	17721	20.127	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	42054	19.522	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	2988	13.728	ug/l	98

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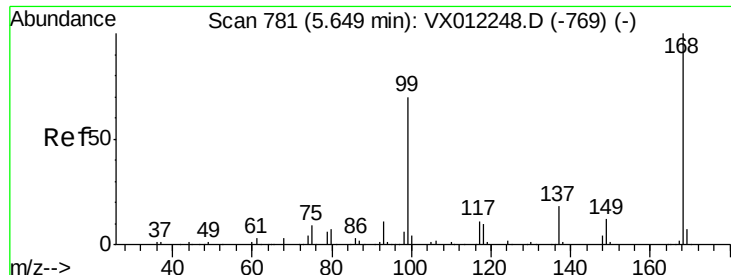
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	25133	16.895	ug/l	98
94) Hexachlorobutadiene	13.77	225	16016	21.641	ug/l	99
95) Naphthalene	13.83	128	40254	12.609	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	20288	15.414	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS01

Tot Ion:168 Resp: 125181

Ion Ratio Lower Upper

168 100

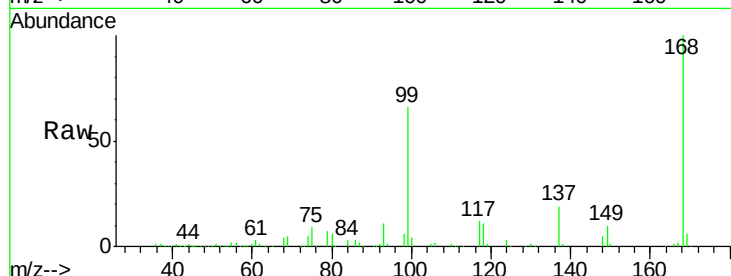
99 66.0 55.8 83.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

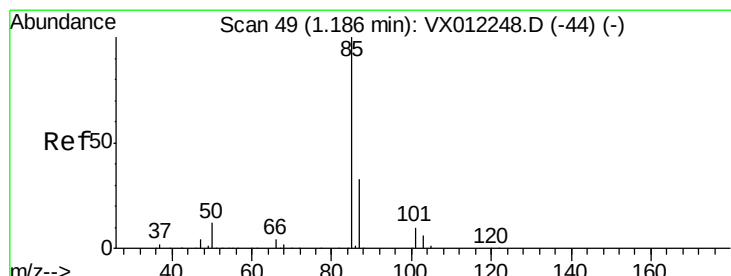
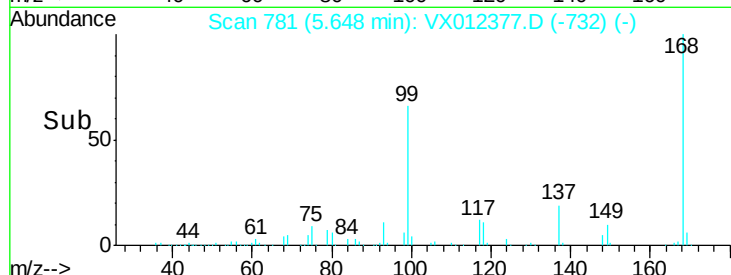
30000

20000

10000

0

Time--> 5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 23.386 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012377.D

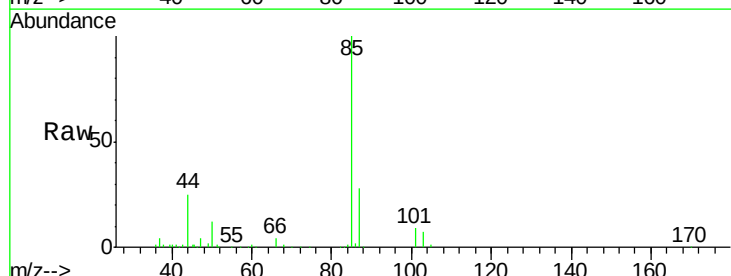
Acq: 13 Sep 2019 10:47

Tgt Ion: 85 Resp: 23934

Ion Ratio Lower Upper

85 100

87 27.7 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

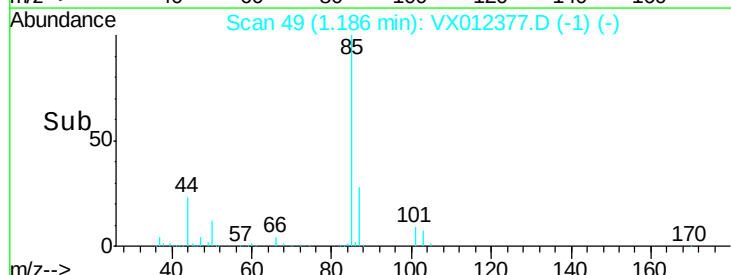
15000

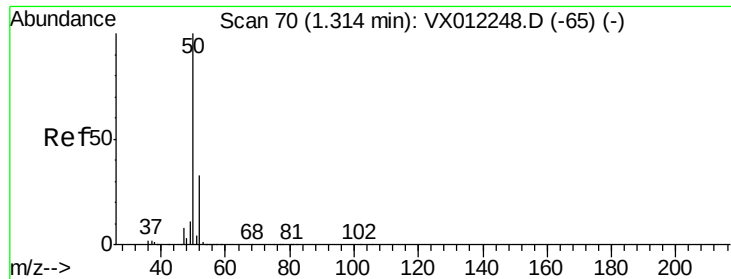
10000

5000

0

Time--> 1.10 1.15 1.20 1.25





#3

Chloromethane

Concen: 20.754 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS01

Tot Ion: 50 Resp: 19146

Ion Ratio Lower Upper

50 100

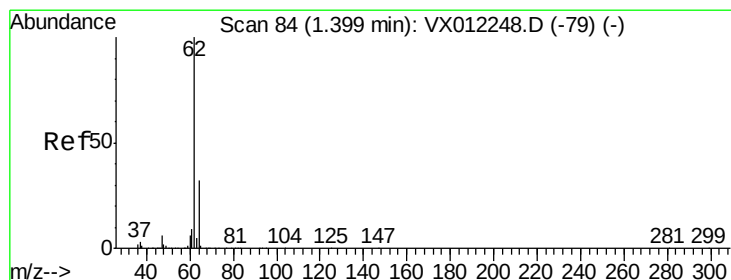
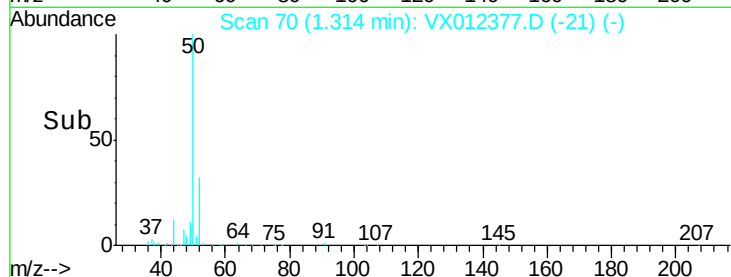
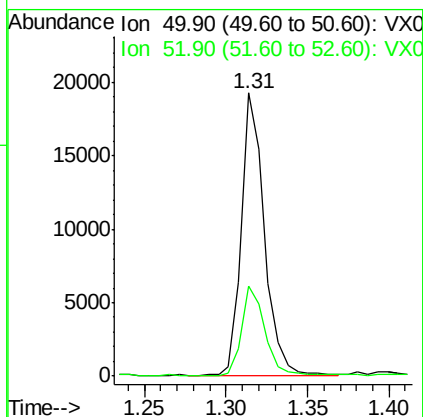
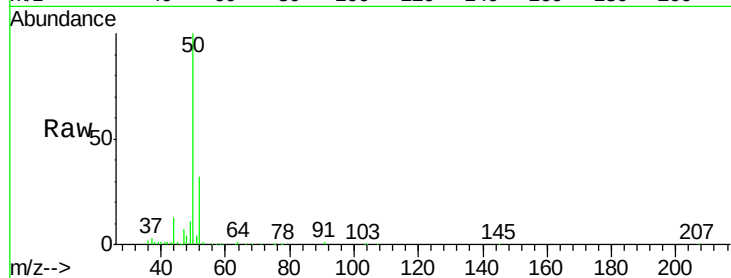
52 31.8 26.7 40.1

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#4

Vinyl Chloride

Concen: 21.816 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012377.D

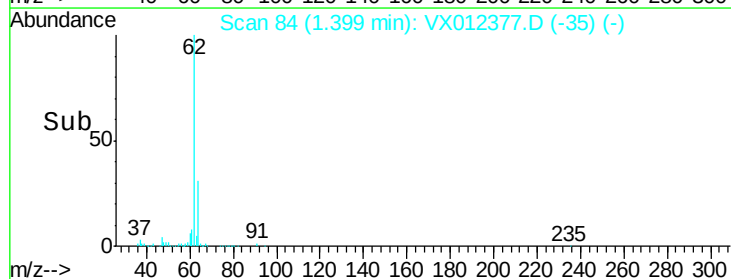
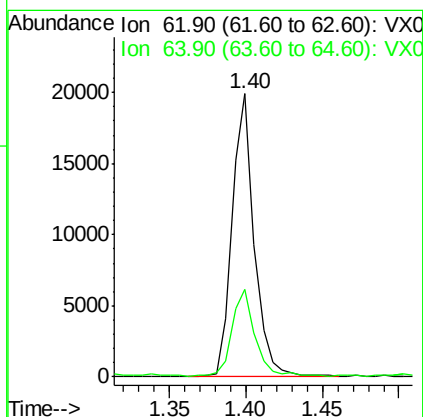
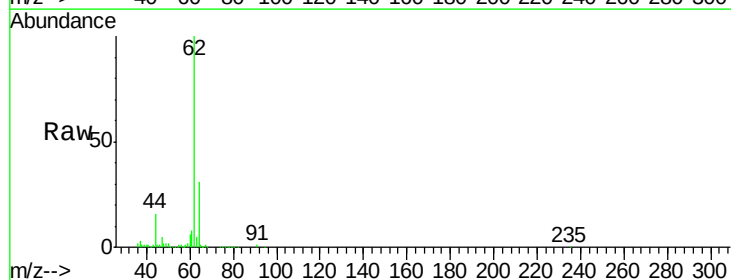
Acq: 13 Sep 2019 10:47

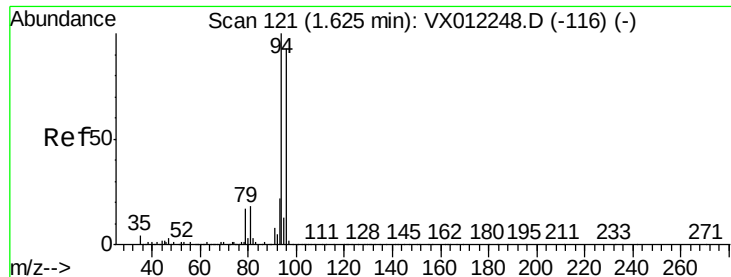
Tgt Ion: 62 Resp: 19956

Ion Ratio Lower Upper

62 100

64 30.9 25.5 38.3





#5

Bromomethane

Concen: 31.819 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS01

Tot Ion: 94 Resp: 12421

Ion Ratio Lower Upper

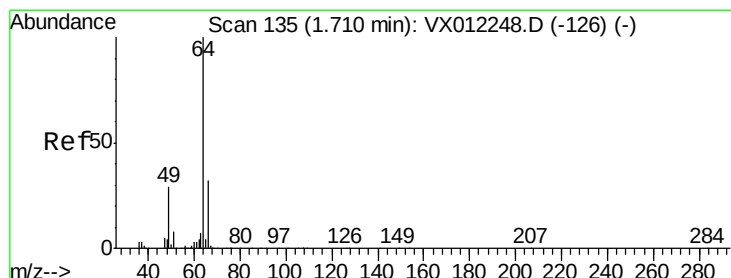
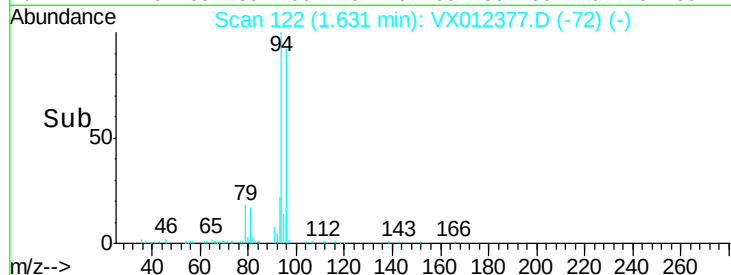
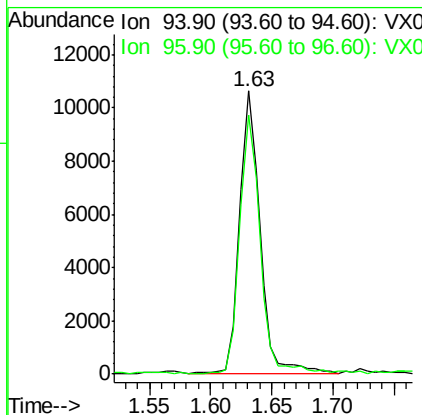
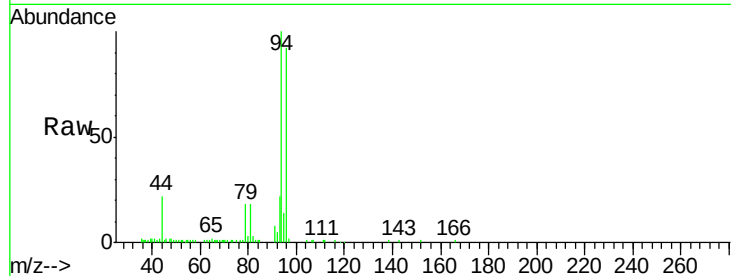
94 100

96 91.6 74.0 111.0

Manual Integrations
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#6

Chloroethane

Concen: 21.160 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012377.D

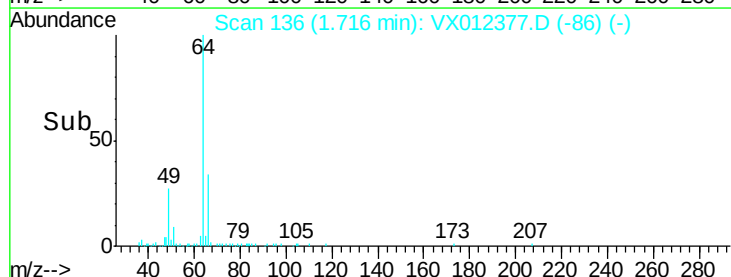
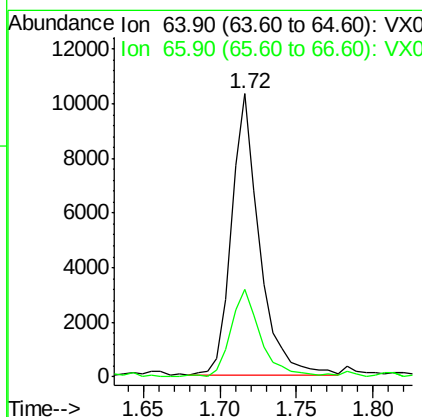
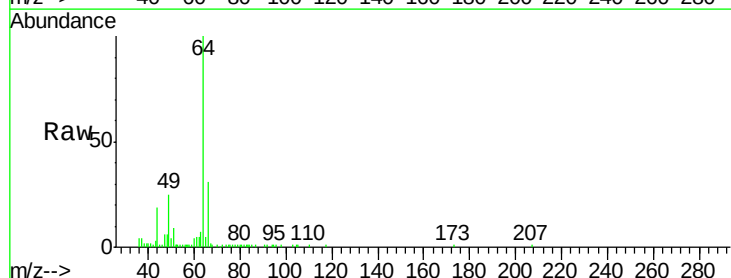
Acq: 13 Sep 2019 10:47

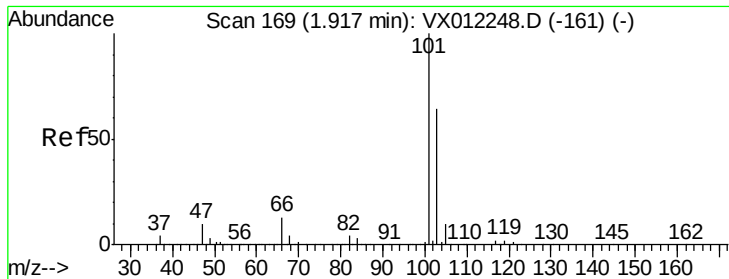
Tgt Ion: 64 Resp: 12943

Ion Ratio Lower Upper

64 100

66 30.6 25.8 38.6





#7

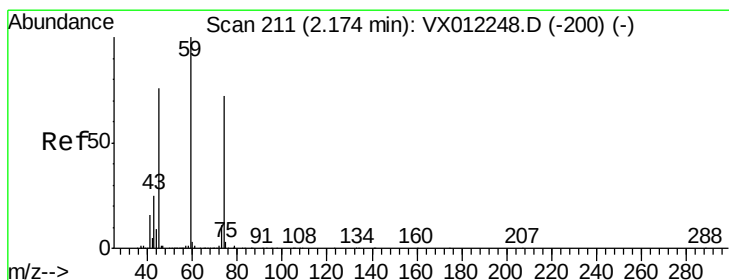
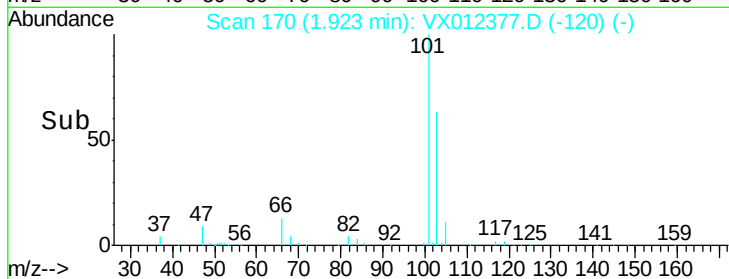
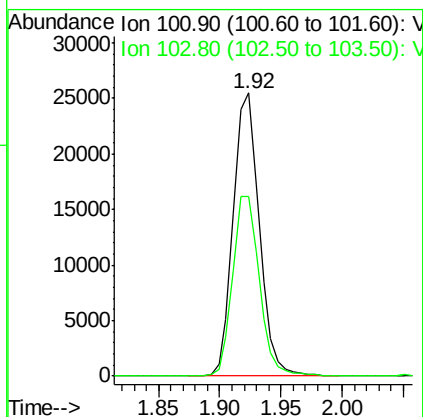
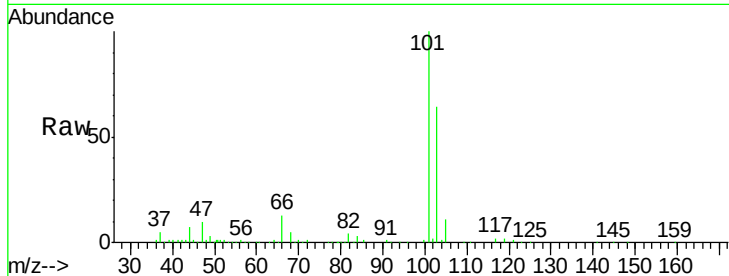
Trichlorofluoromethane
 Concen: 22.660 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX012377.D
 Acq: 13 Sep 2019 10:47

Instrument :
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 ClientSampleId :
 VX0913SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.4	77.2

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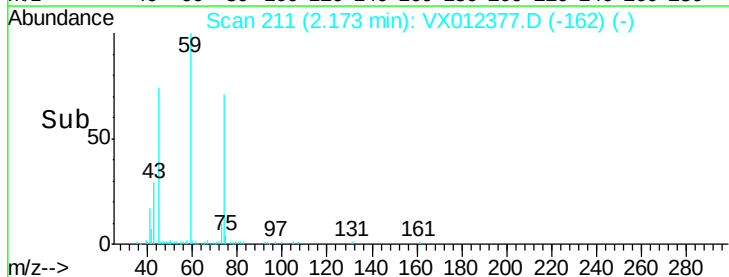
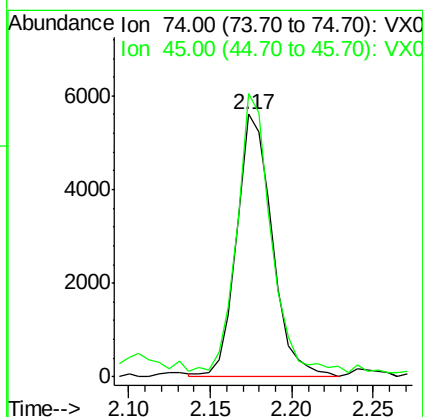
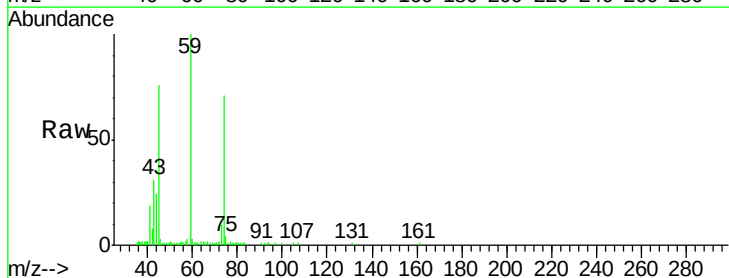
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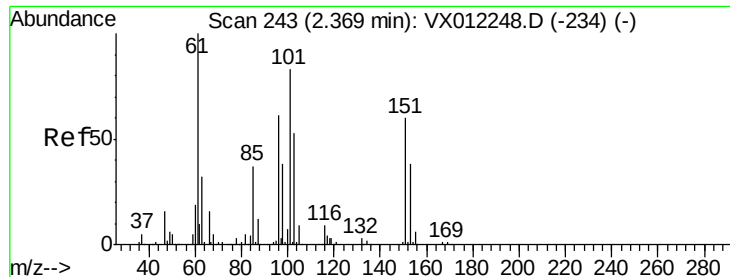


#8

Diethyl Ether
 Concen: 15.091 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012377.D
 Acq: 13 Sep 2019 10:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.3	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.990 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

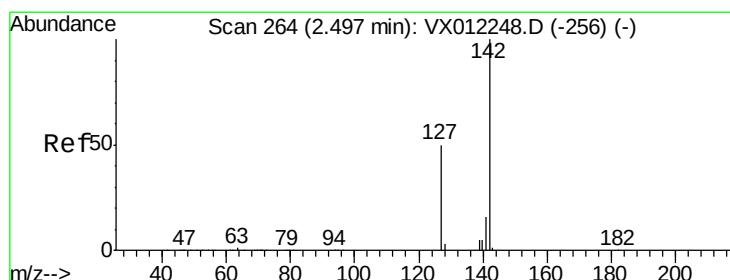
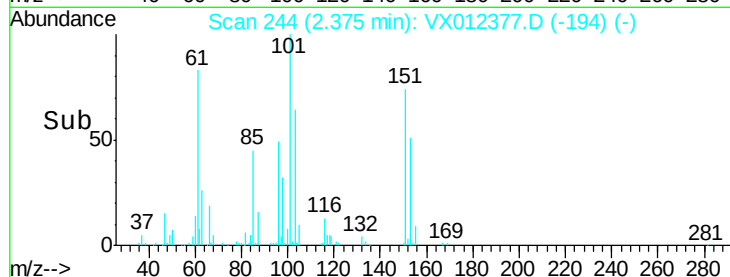
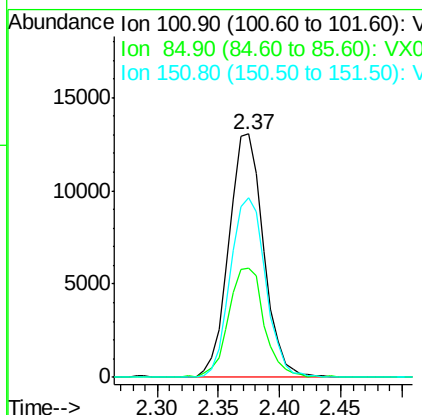
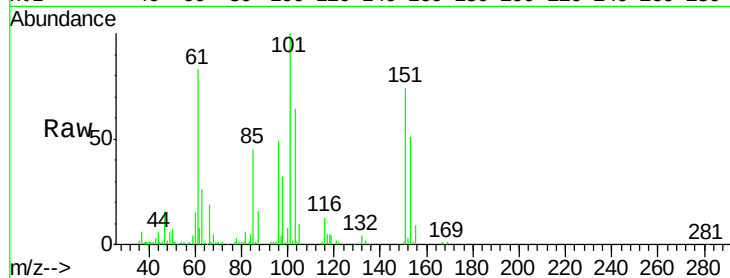
ClientSampleId :

VX0913SBS01

Tot Ion:	101	Resp:	25651
Ion Ratio	Lower	Upper	
101	100		
85	46.0	37.0	55.6
151	74.7	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 10.156 ug/l

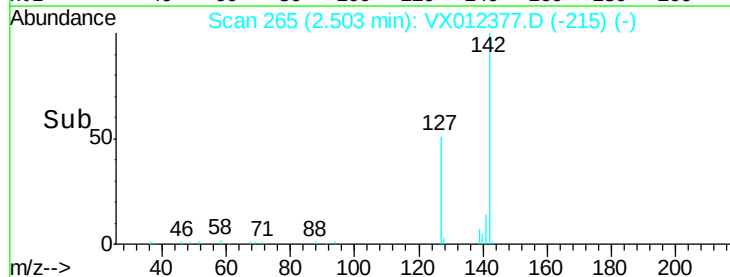
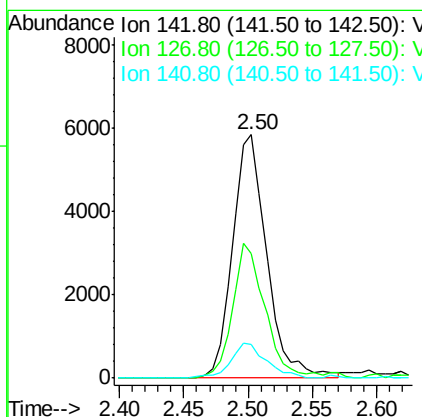
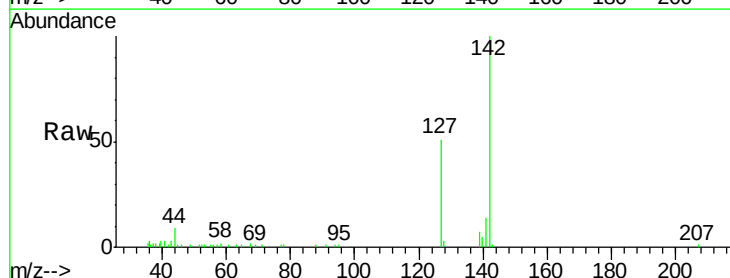
RT: 2.50 min Scan# 265

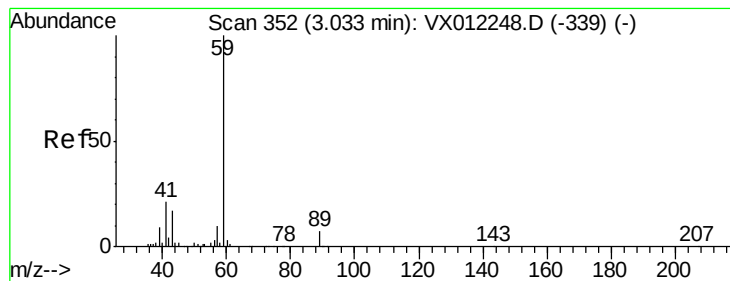
Delta R.T. 0.01 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Tgt Ion:	142	Resp:	10785
Ion Ratio	Lower	Upper	
142	100		
127	52.4	40.6	61.0
141	15.0	12.0	18.0





#11

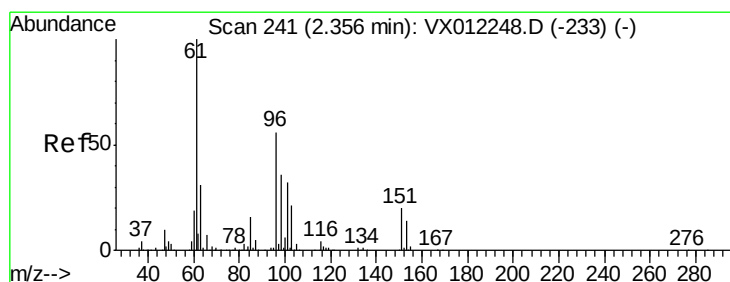
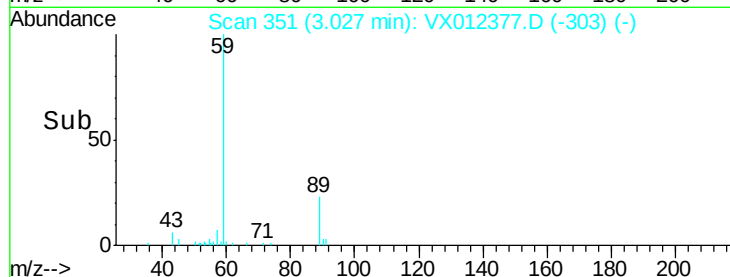
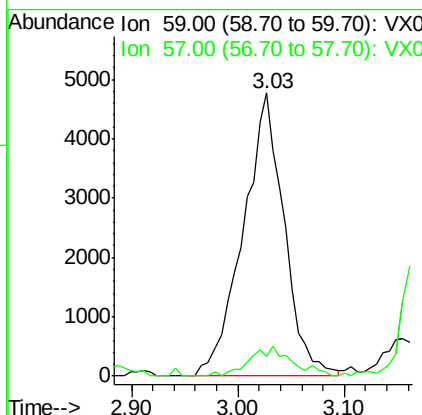
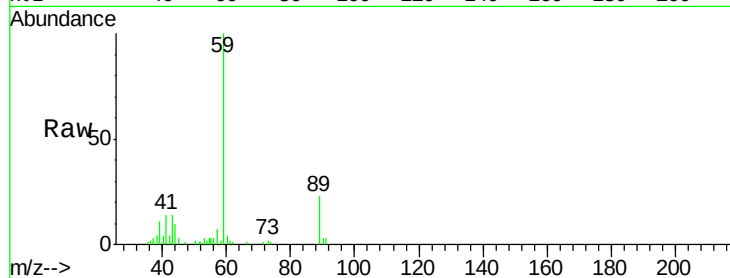
Tert butyl alcohol
Concen: 61.534 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS01

Tot Ion: 59 Resp: 12873
Ion Ratio Lower Upper
59 100
57 5.0 7.8 11.6#

Manual Integrations
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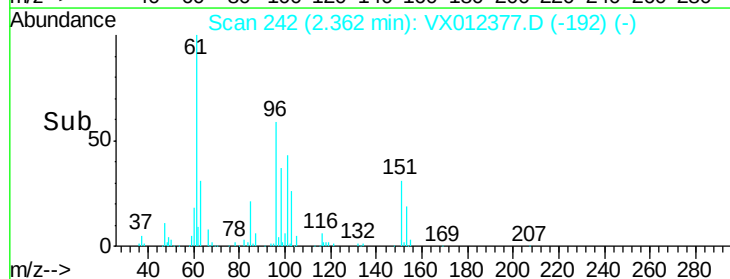
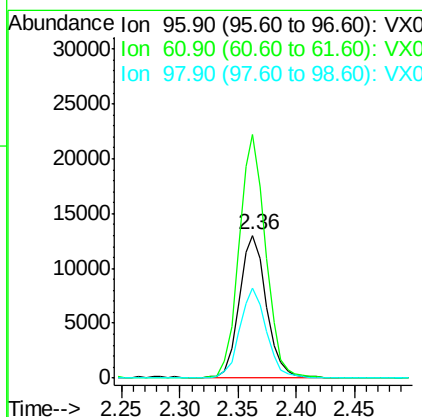
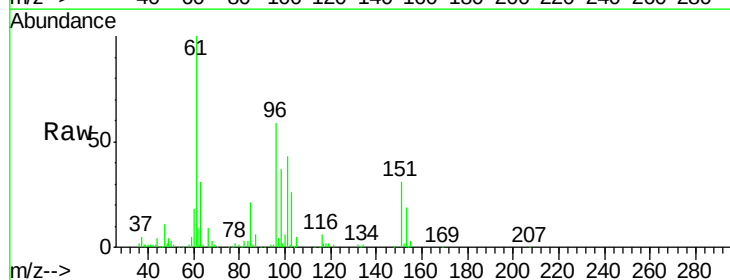
MMDadoda
9/16/2019 1:13:04 AM

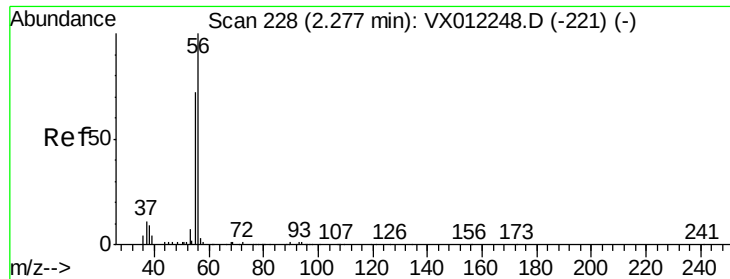


#12

1,1-Dichloroethene
Concen: 22.413 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.01 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Tgt Ion: 96 Resp: 21230
Ion Ratio Lower Upper
96 100
61 170.5 142.2 213.2
98 63.5 51.3 76.9





#13

Acrolein

Concen: 56.487 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS01

Tot Ion: 56 Resp: 5226

Ion Ratio Lower Upper

56 100

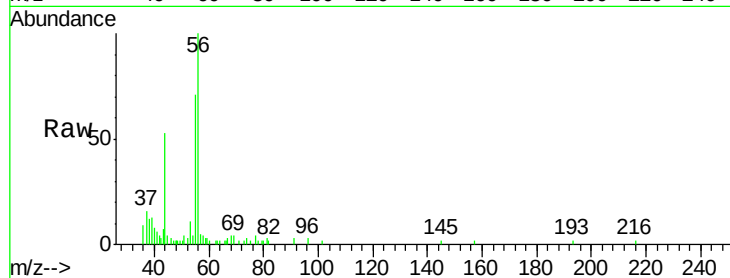
55 63.9 59.8 89.6

Manual Integrations

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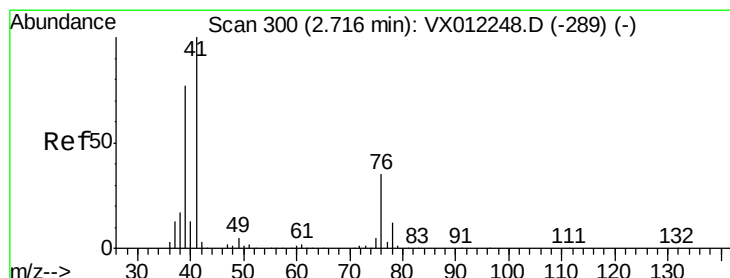
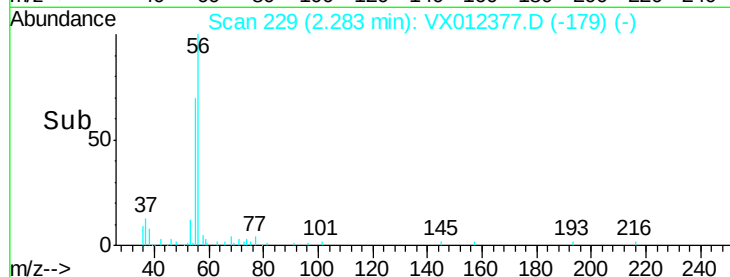
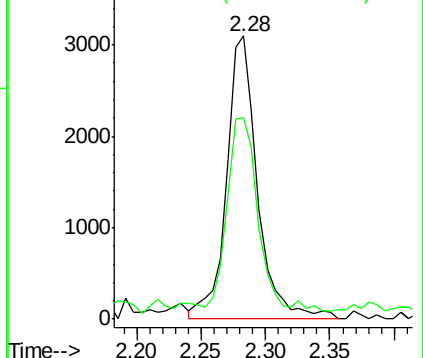
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.064 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

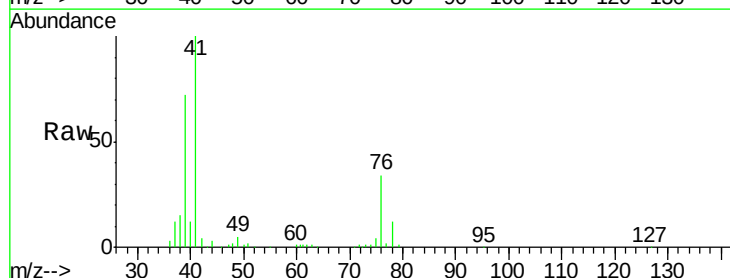
Tgt Ion: 41 Resp: 34885

Ion Ratio Lower Upper

41 100

39 73.8 58.6 87.8

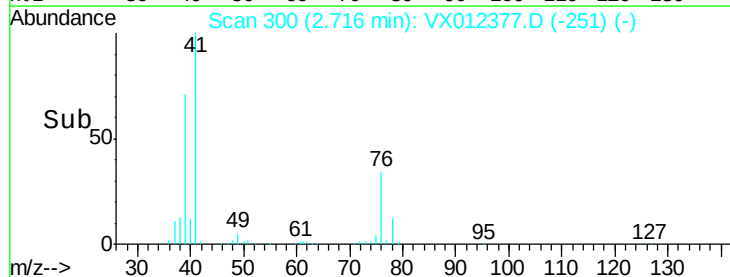
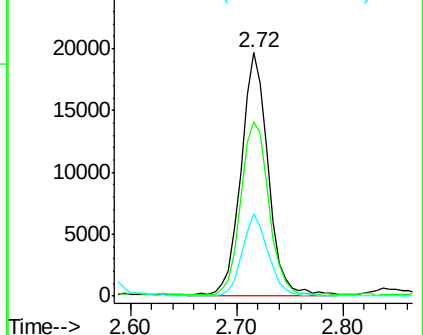
76 32.9 26.3 39.5

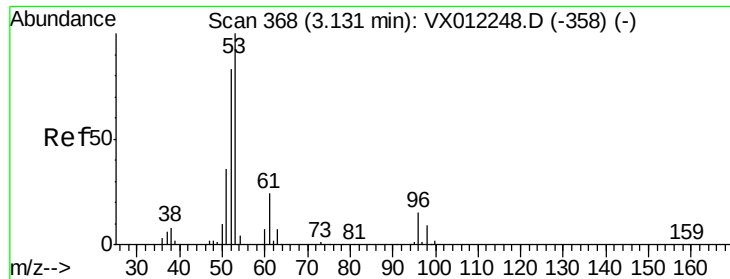


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 59.961 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

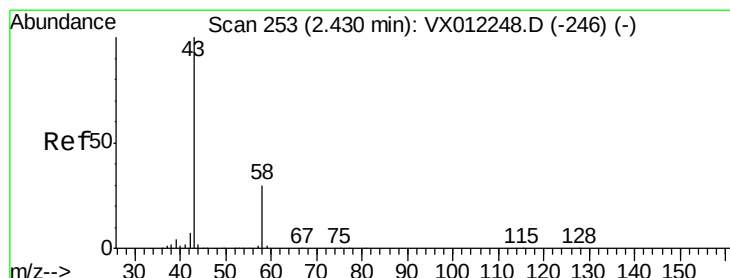
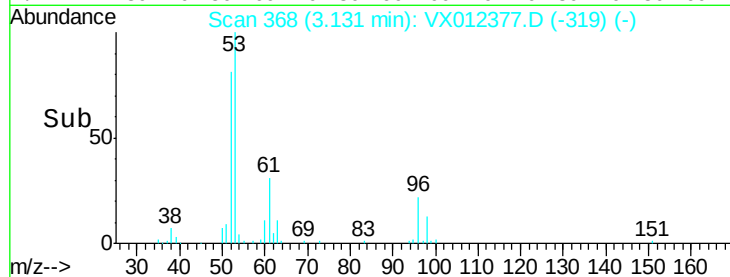
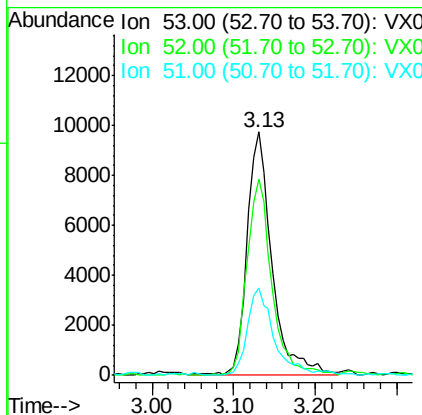
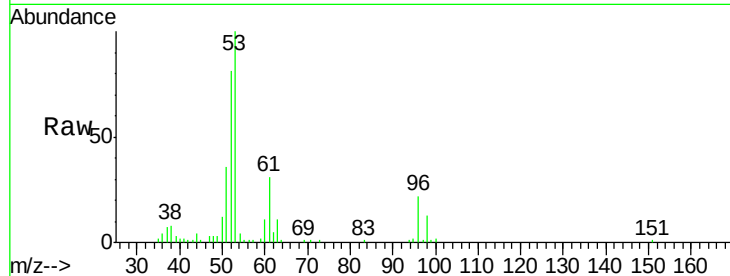
ClientSampleId :

VX0913SBS01

Tot Ion:	53	Resp:	20938
Ion	Ratio	Lower	Upper
53	100		
52	80.2	66.8	100.2
51	37.6	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 69.223 ug/l

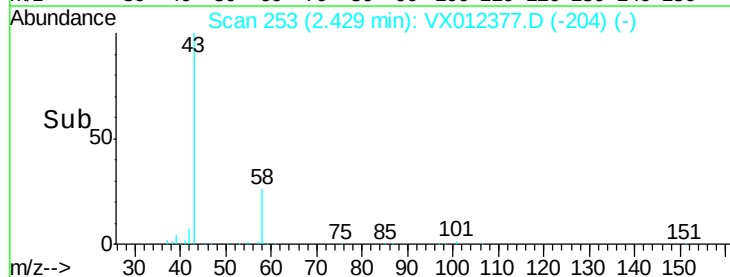
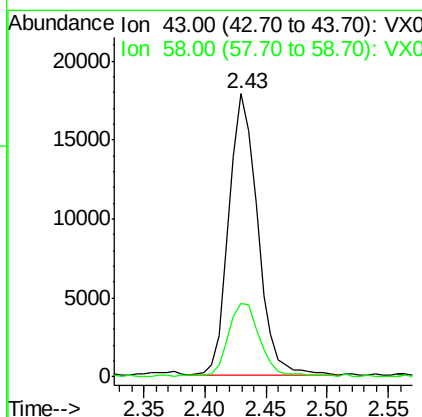
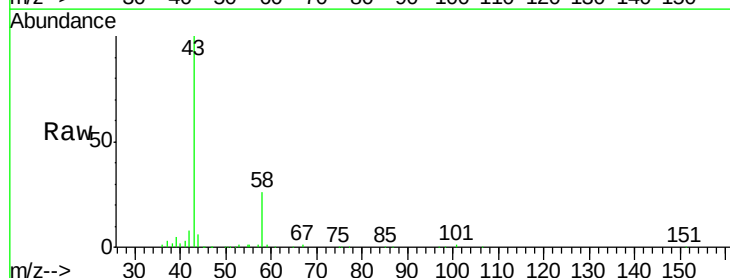
RT: 2.43 min Scan# 253

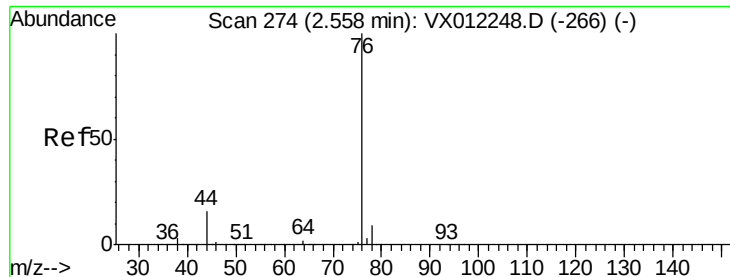
Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Tgt Ion:	43	Resp:	29002
Ion	Ratio	Lower	Upper
43	100		
58	25.8	23.6	35.4





#17

Carbon Disulfide

Concen: 19.067 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS01

Tot Ion: 76 Resp: 37927

Ion Ratio Lower Upper

76 100

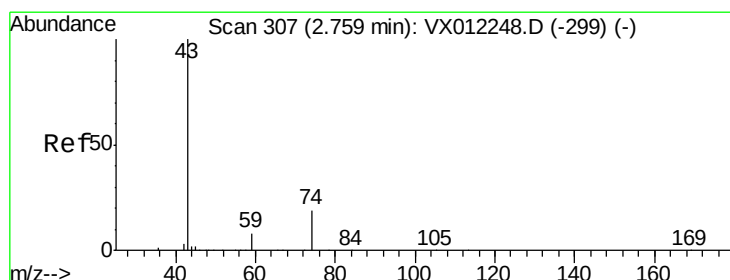
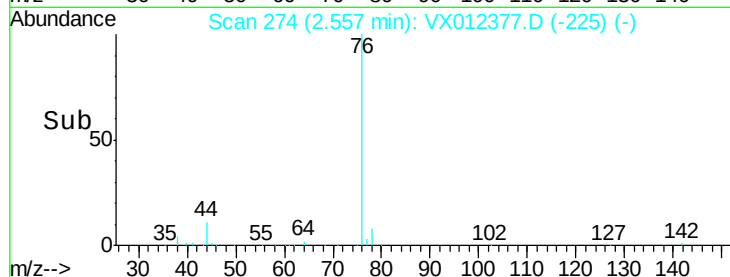
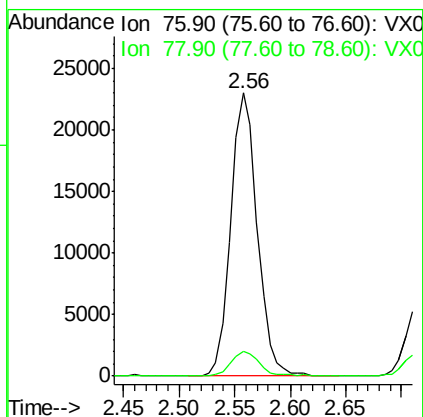
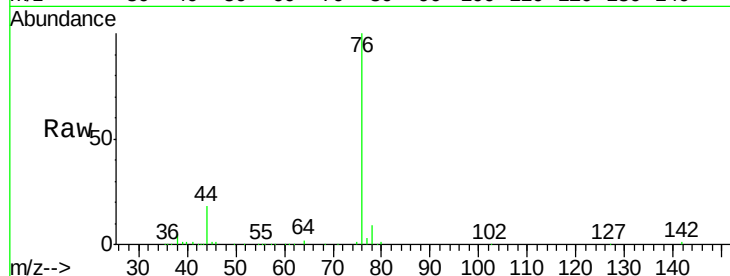
78 8.7 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 11.574 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX012377.D

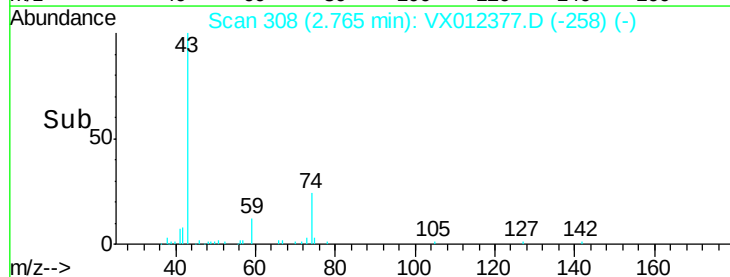
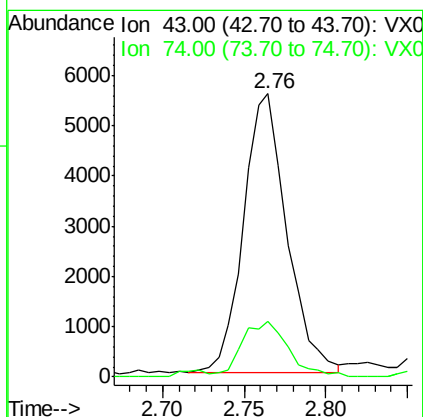
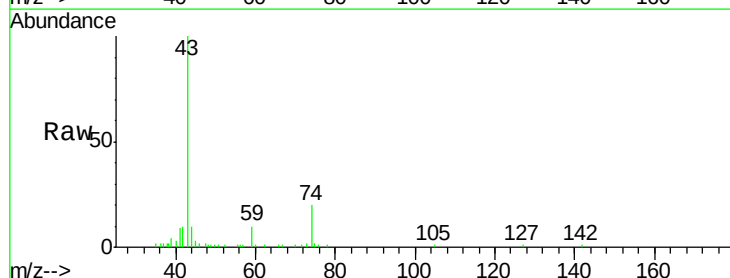
Acq: 13 Sep 2019 10:47

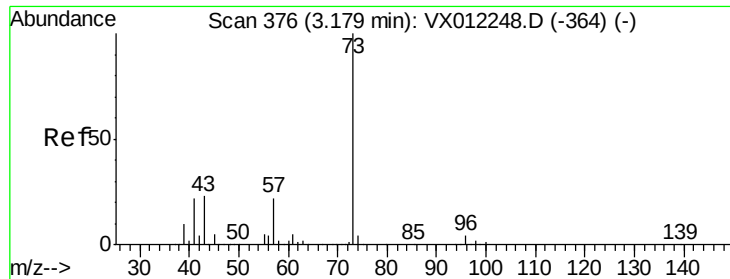
Tgt Ion: 43 Resp: 10192

Ion Ratio Lower Upper

43 100

74 21.3 18.3 27.5





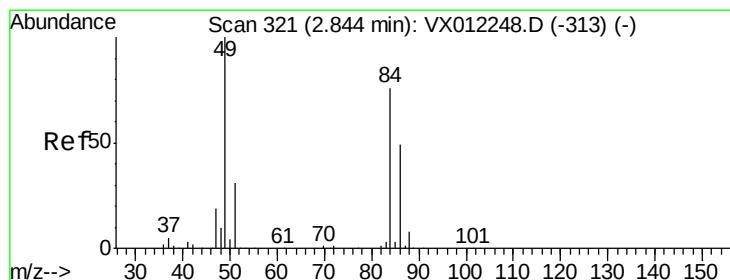
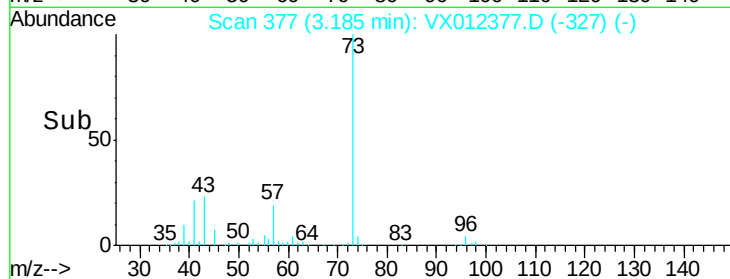
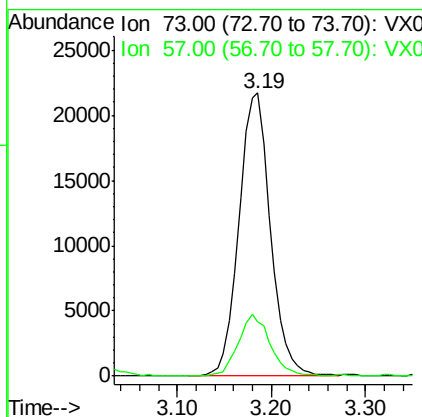
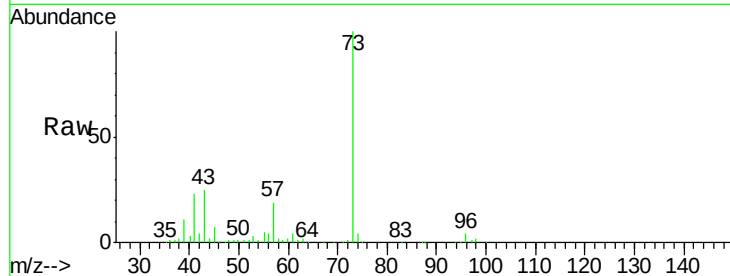
#19
Methyl tert-butyl Ether
Concen: 13.579 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS01

Tot Ion	73	Resp	50794
Ion Ratio	100	Lower	Upper
57	18.7	17.7	26.5

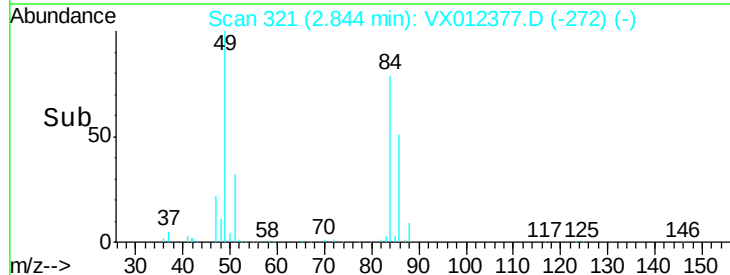
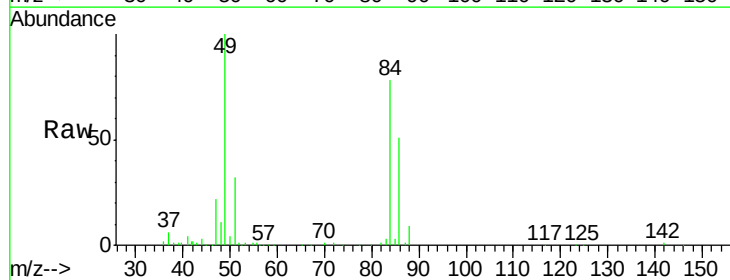
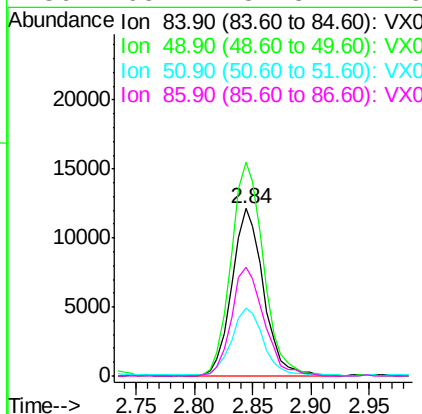
Manual Integrations
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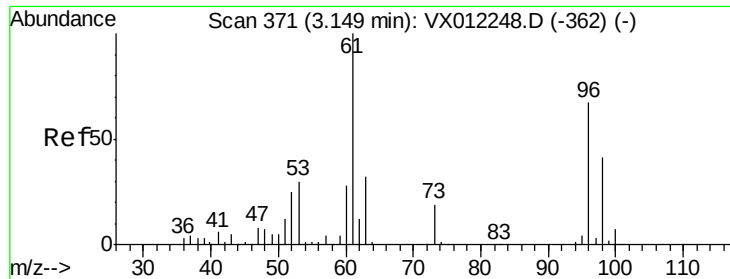
MMDadoda
9/16/2019 1:13:04 AM



#20
Methylene Chloride
Concen: 15.819 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Tgt Ion	84	Resp	23032
Ion Ratio	100	Lower	Upper
49	127.2	105.0	157.6
51	40.1	32.6	48.8
86	65.4	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 19.924 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

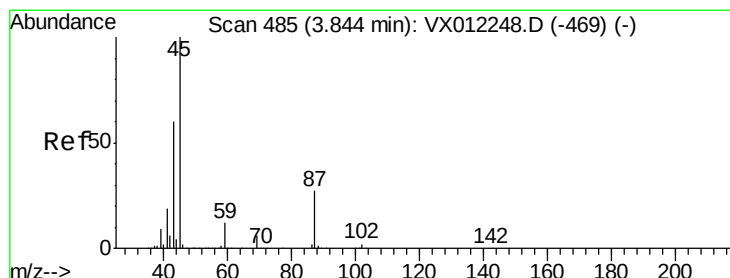
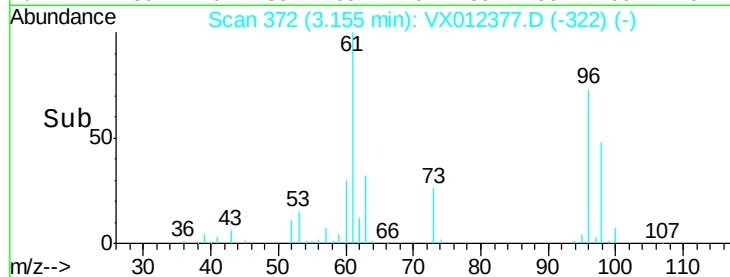
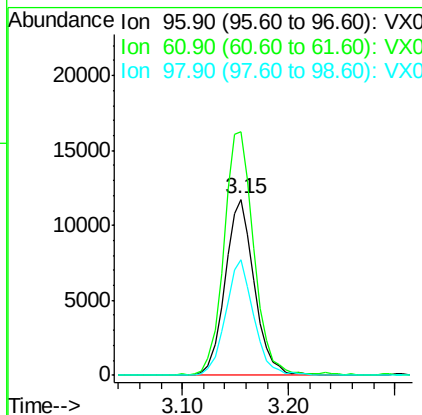
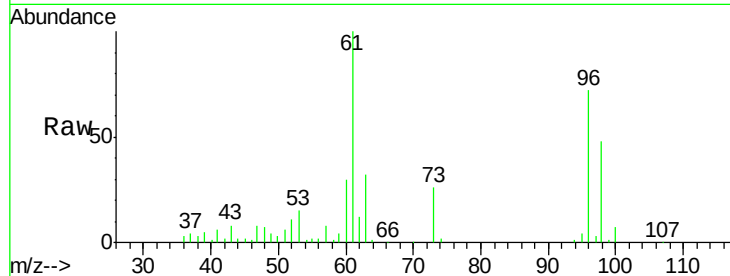
ClientSampleId :

VX0913SBS01

Tot Ion:	96	Resp:	22517
Ion Ratio	Lower	Upper	
96	100		
61	137.7	119.4	179.2
98	65.8	48.4	72.6

Manual Integrations
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9/16/2019 1:13:04 AM



#22

Diisopropyl ether

Concen: 16.028 ug/l

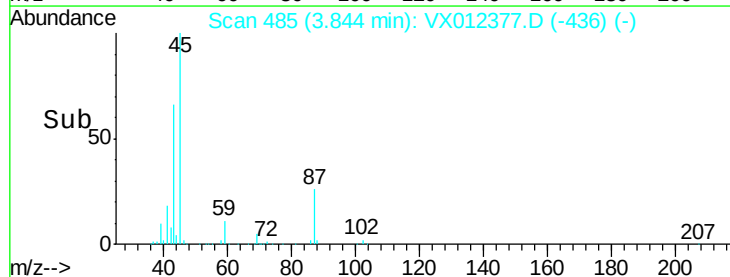
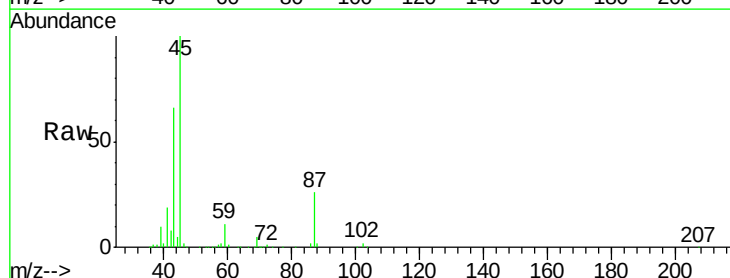
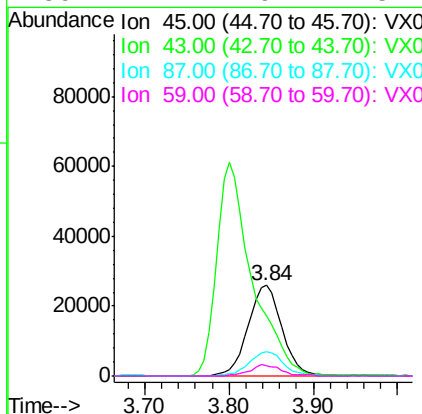
RT: 3.84 min Scan# 485

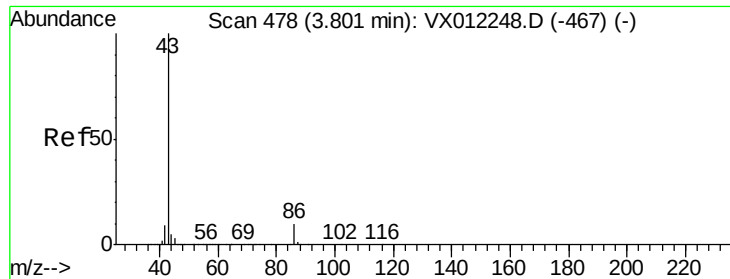
Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Tgt Ion:	45	Resp:	70788
Ion Ratio	Lower	Upper	
45	100		
43	65.6	48.3	72.5
87	26.3	21.8	32.8
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 65.169 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Tot Ion: 43 Resp: 176594

Ion Ratio Lower Upper

43 100

86 10.8 8.3 12.5

Instrument :

MSVOA_X

ClientSampleId :

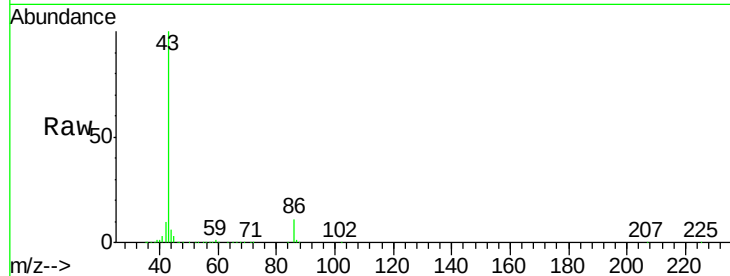
VX0913SBS01

Manual Integrations

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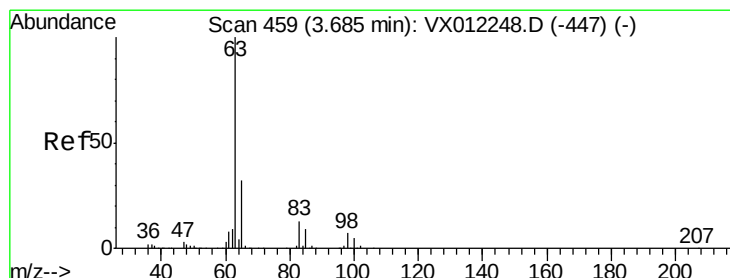
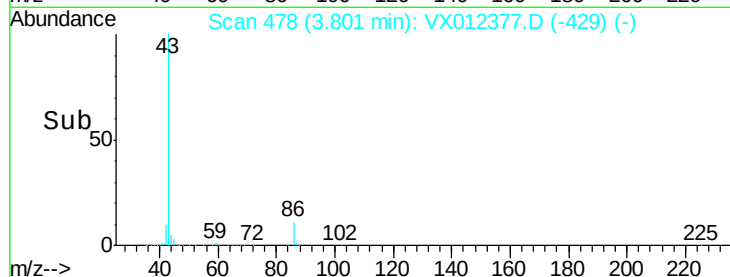
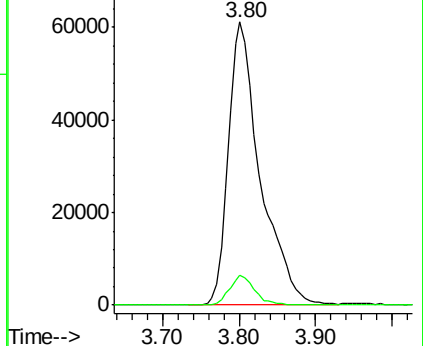
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.073 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

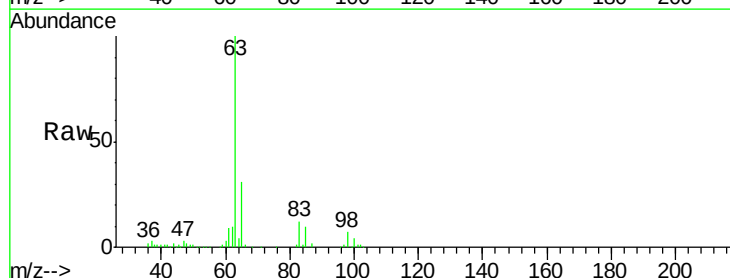
Tgt Ion: 63 Resp: 45123

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

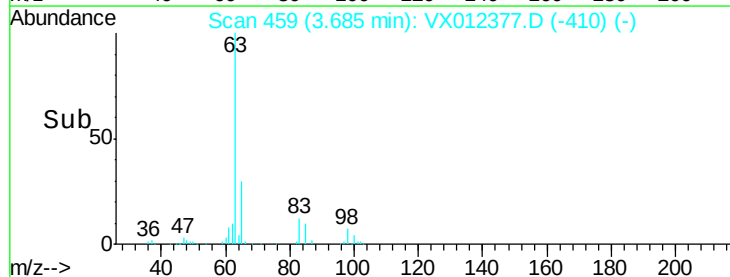
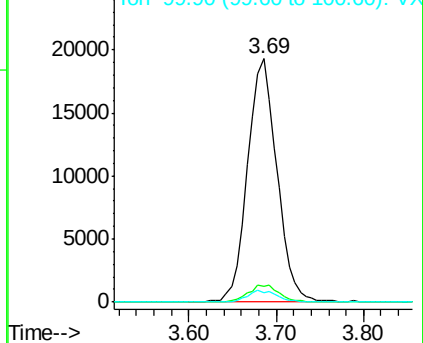
100 3.7 2.4 7.2

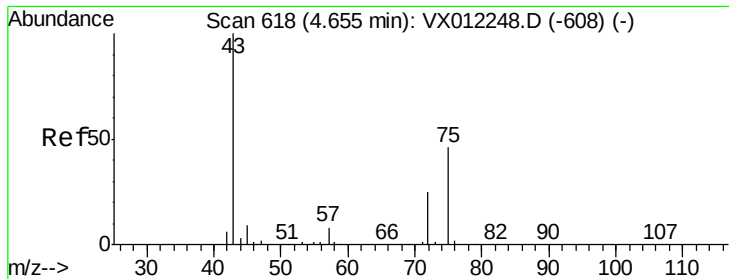


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 57.023 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Tot Ion: 43 Resp: 30541

Ion Ratio Lower Upper

43 100

72 23.6 20.2 30.2

Instrument :

MSVOA_X

ClientSampleId :

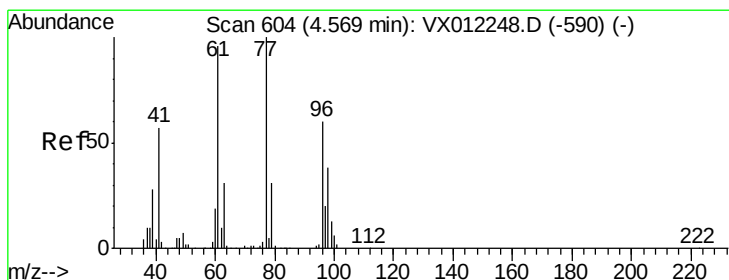
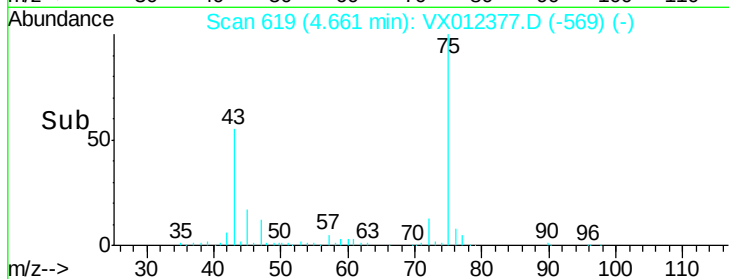
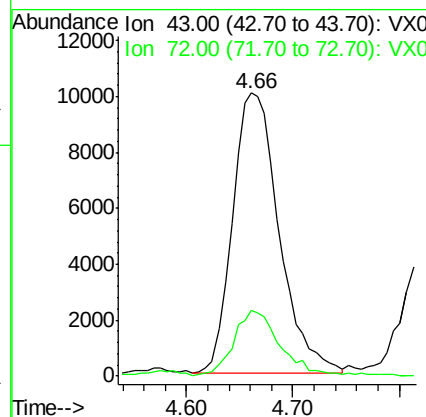
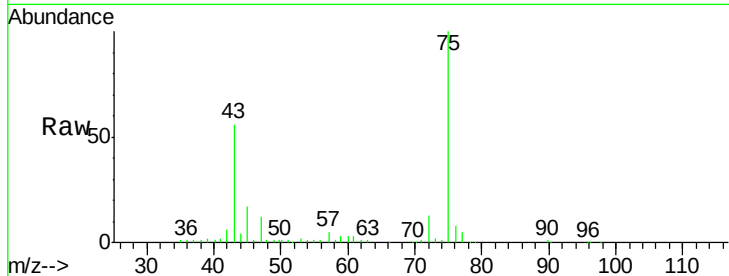
VX0913SBS01

Manual Integrations

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9/16/2019 1:13:04 AM



#26

2,2-Dichloropropane

Concen: 19.964 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012377.D

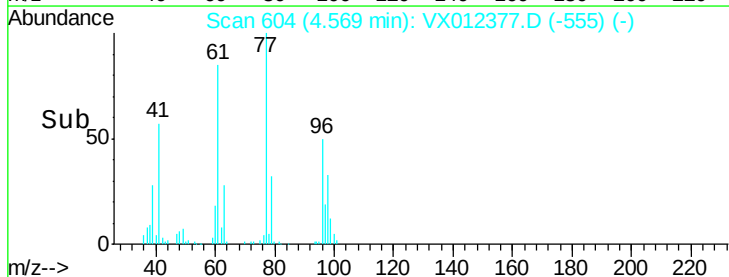
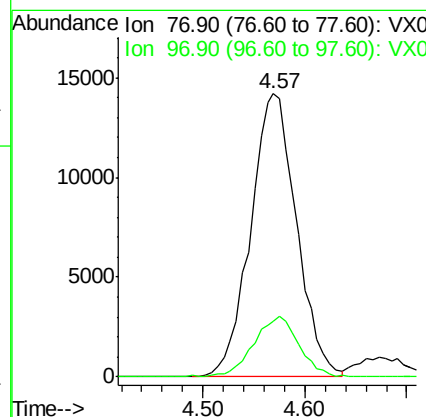
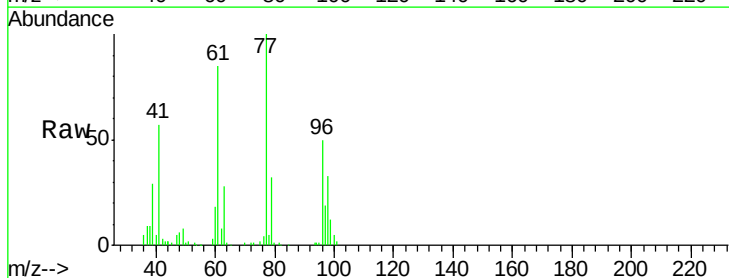
Acq: 13 Sep 2019 10:47

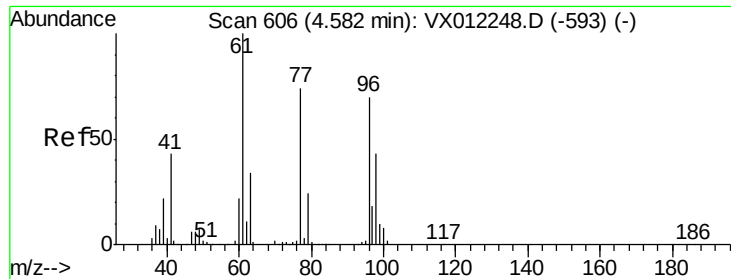
Tgt Ion: 77 Resp: 44342

Ion Ratio Lower Upper

77 100

97 20.9 10.7 32.1





#27

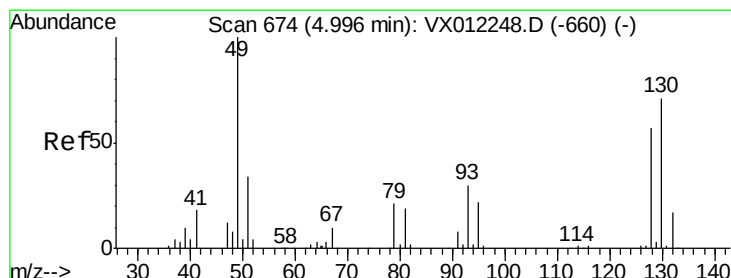
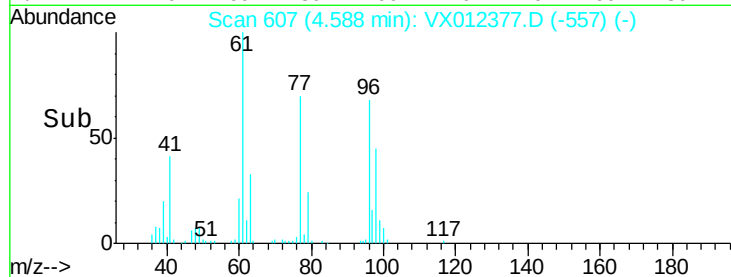
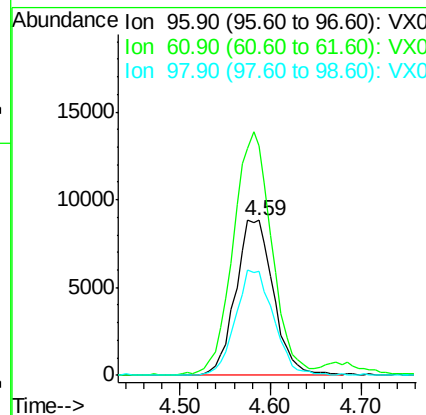
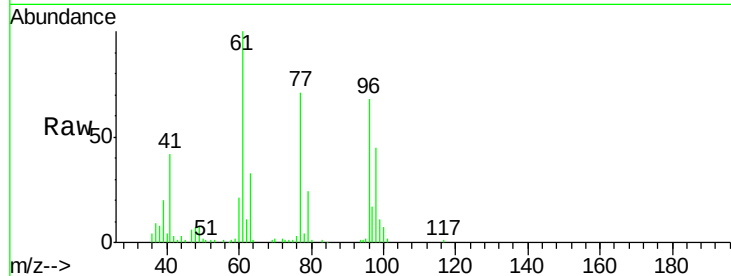
cis-1,2-Dichloroethene
Concen: 17.529 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	160.4	0.0	310.4	
98	68.3	0.0	128.8	

Manual Integrations
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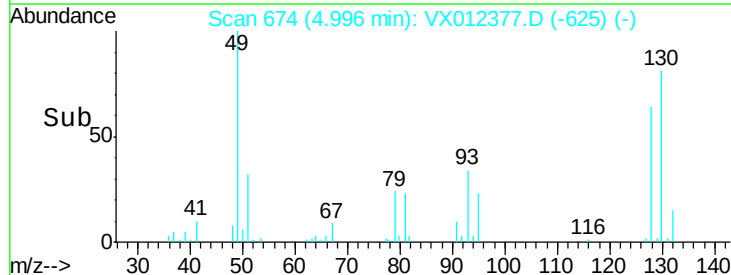
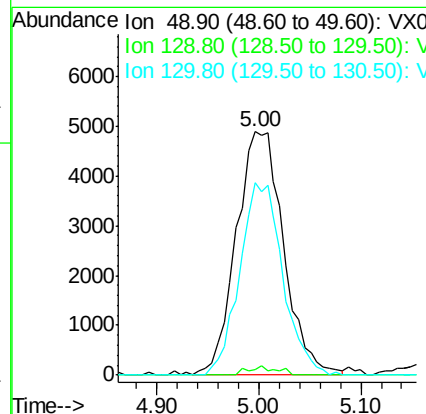
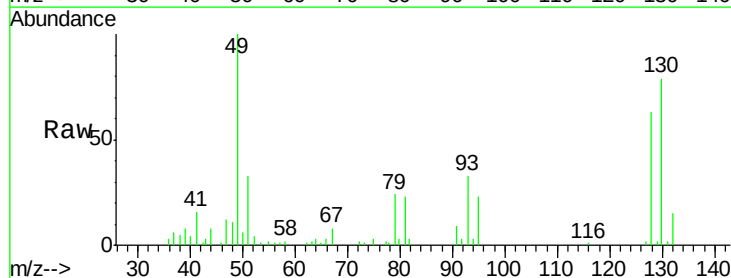
MMDadoda
9/16/2019 1:13:04 AM

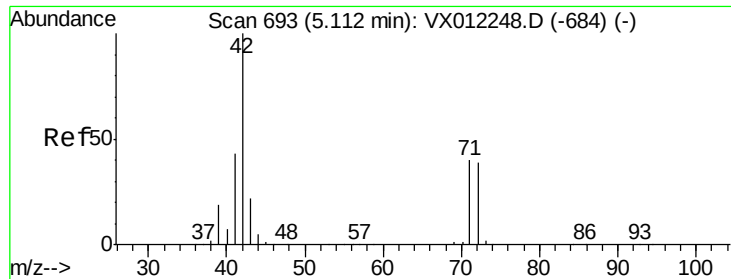


#28

Bromochloromethane
Concen: 14.201 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	5.2	
130	72.0	60.1	90.1	





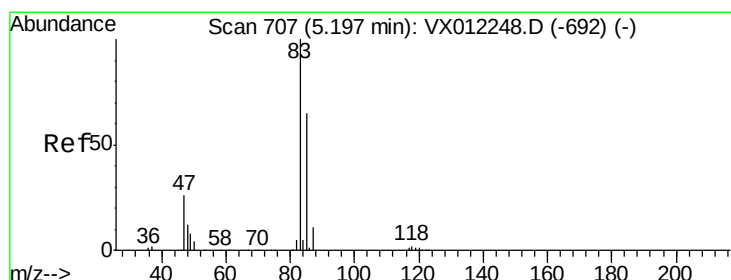
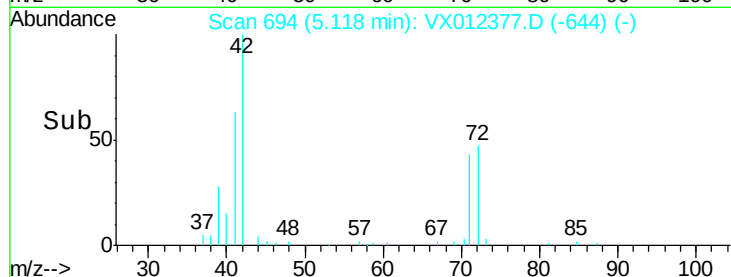
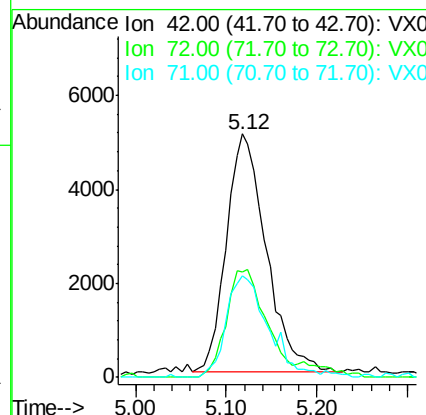
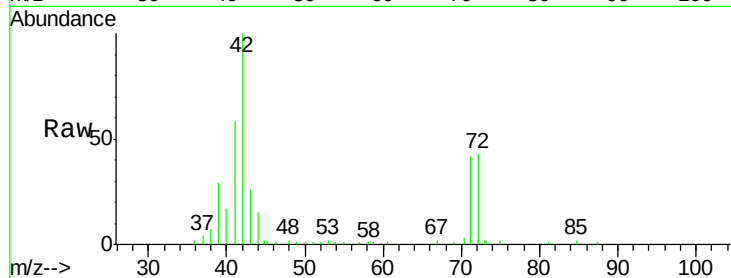
#29
Tetrahydrofuran
Concen: 53.386 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	35.2	52.8
71	45.8	32.5	48.7

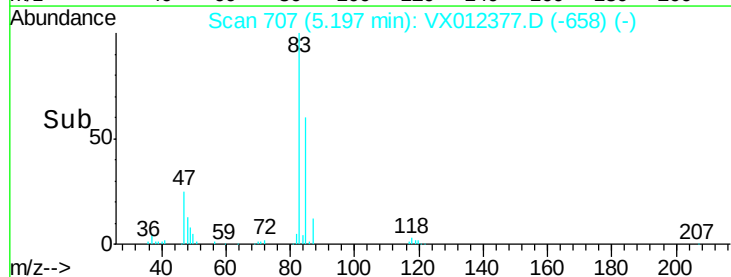
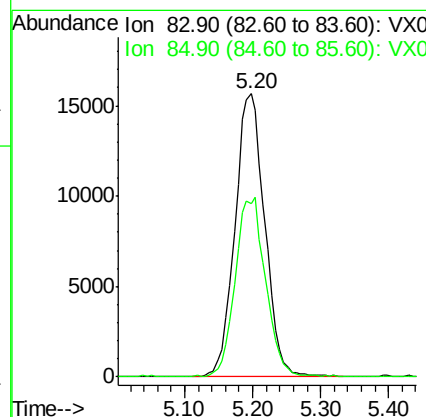
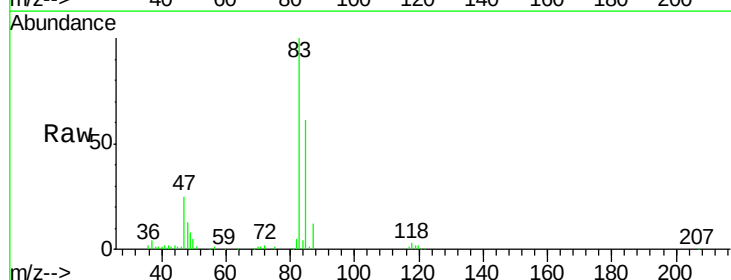
Manual Integrations
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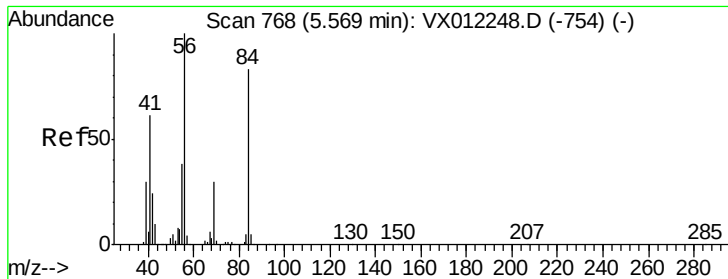
MMDadoda
9/16/2019 1:13:04 AM



#30
Chloroform
Concen: 17.800 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.3	78.5





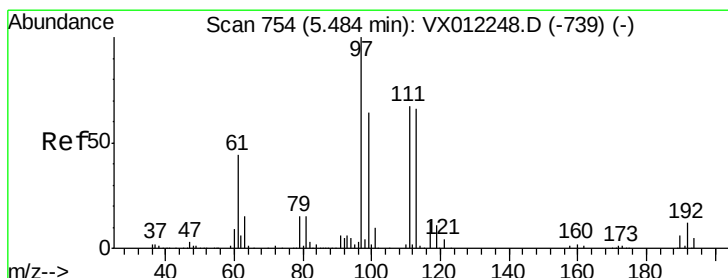
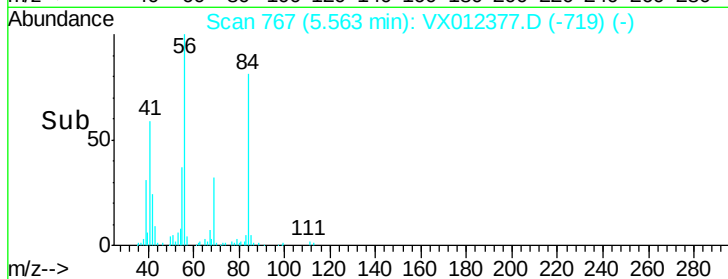
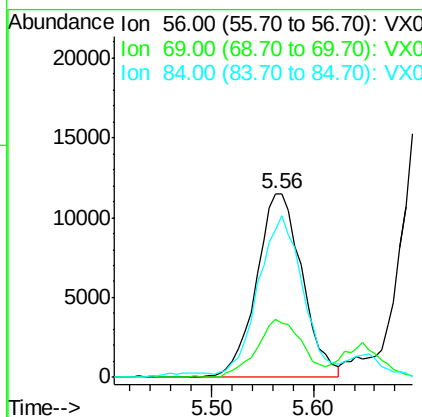
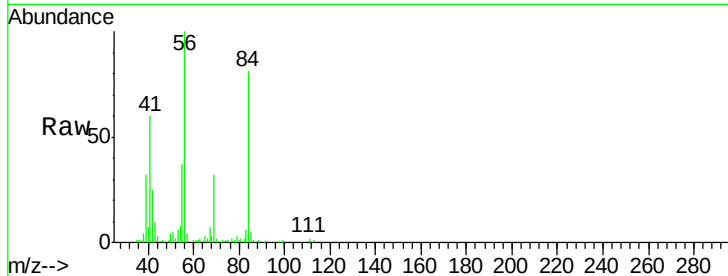
#31
Cyclohexane
Concen: 21.719 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	23.8	35.6
84	78.1	66.6	100.0

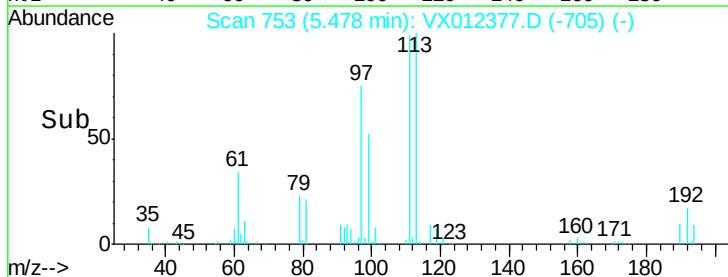
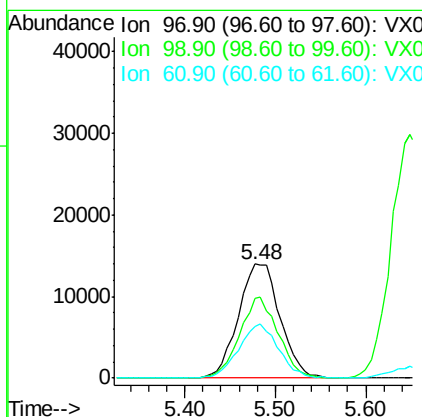
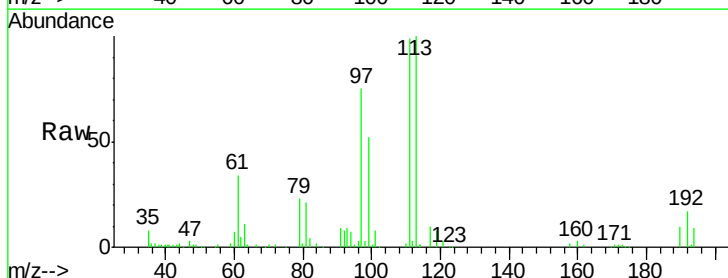
Manual Integrations
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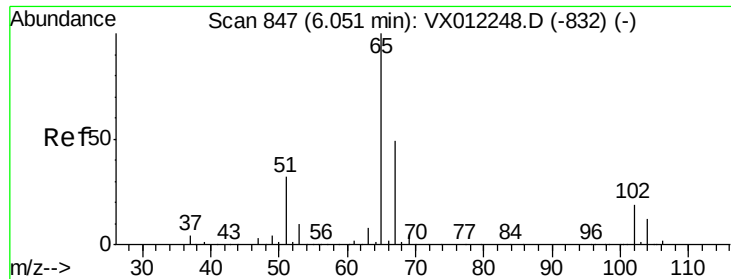
MMDadoda
9/16/2019 1:13:04 AM



#32
1,1,1-Trichloroethane
Concen: 19.446 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.3	76.9
61	45.5	35.4	53.0





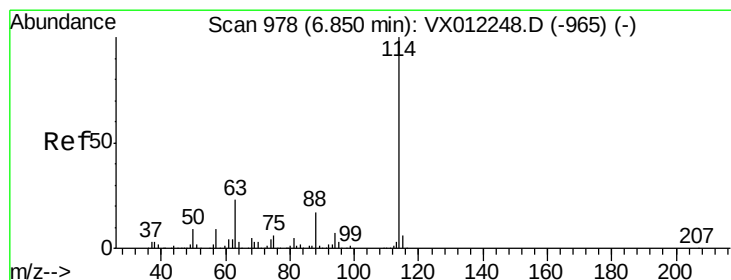
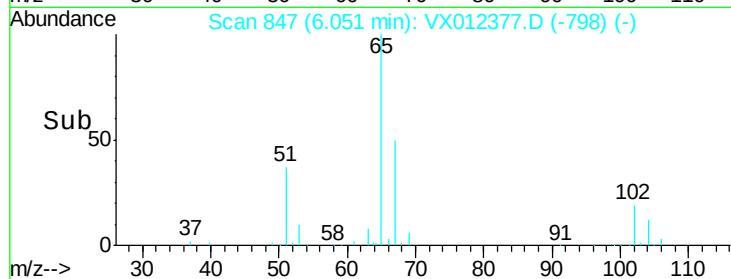
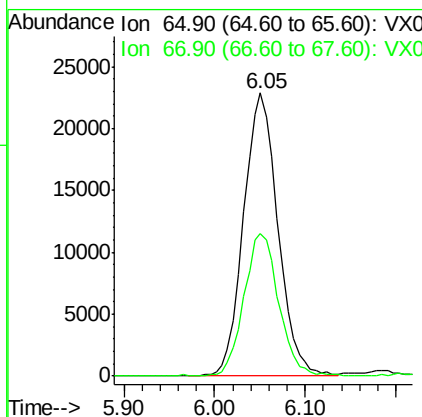
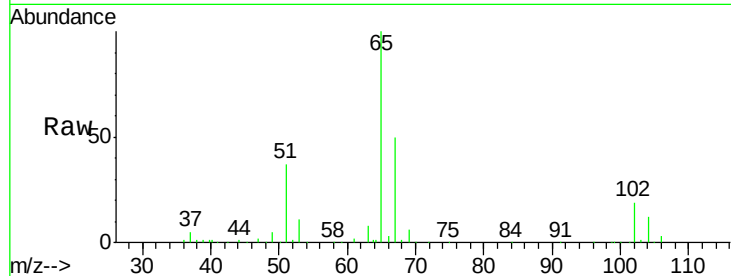
#33
 1,2-Dichloroethane-d4
 Concen: 33.957 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012377.D
 Acq: 13 Sep 2019 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	99.8

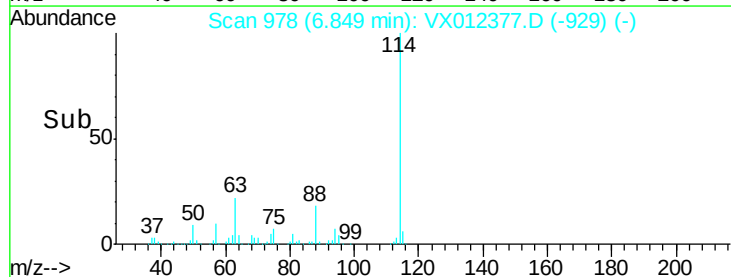
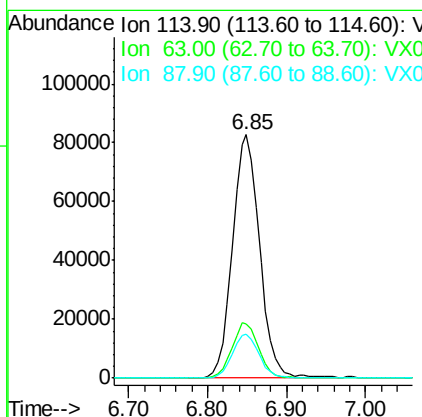
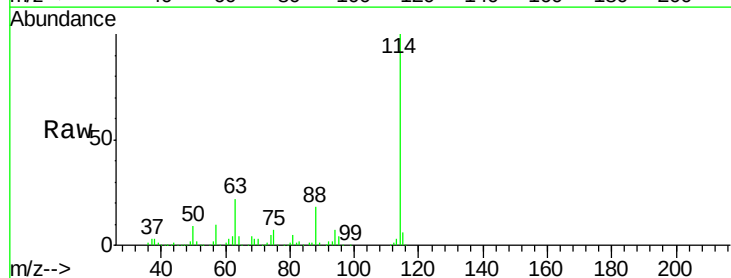
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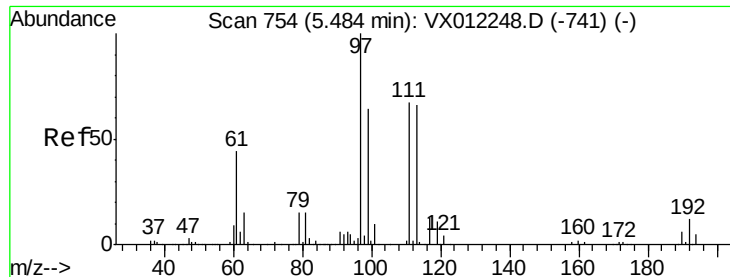
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 9/16/2019 1:13:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012377.D
 Acq: 13 Sep 2019 10:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	45.2
88	17.9	0.0	34.8





#35

Dibromofluoromethane

Concen: 45.314 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

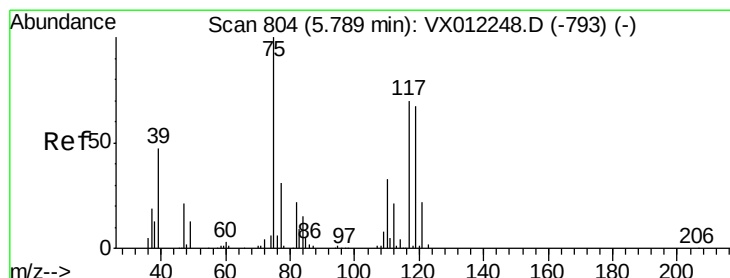
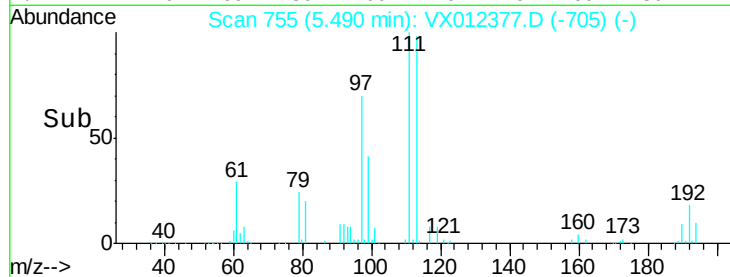
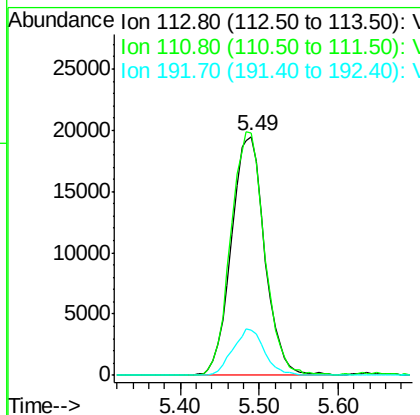
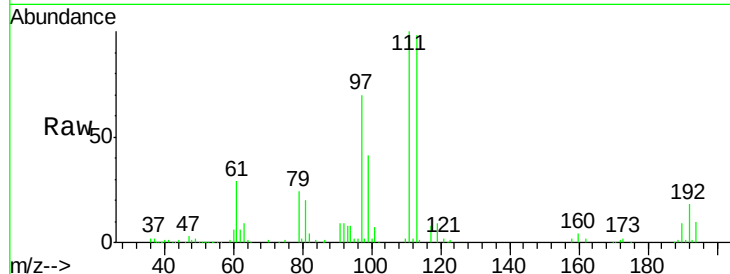
ClientSampleId :

VX0913SBS01

Tot Ion:	113	Resp:	57393
Ion Ratio	Lower	Upper	
113	100		
111	102.7	83.0	124.6
192	18.2	14.3	21.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.720 ug/l

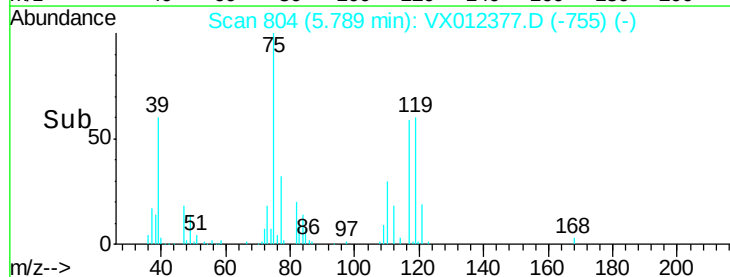
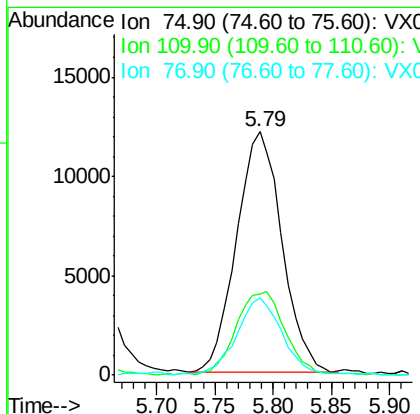
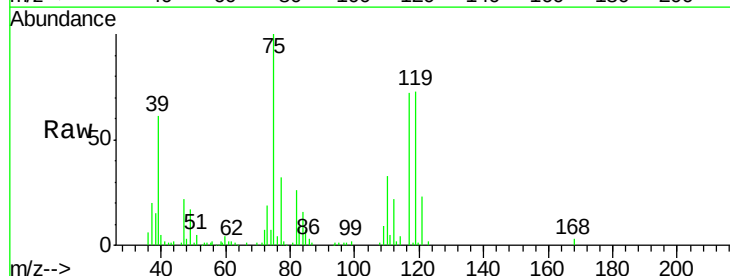
RT: 5.79 min Scan# 804

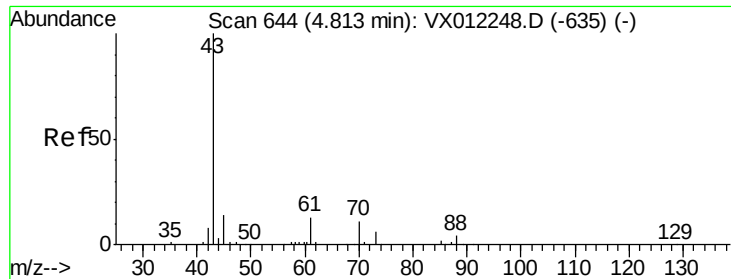
Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Tgt Ion:	75	Resp:	32732
Ion Ratio	Lower	Upper	
75	100		
110	37.7	16.8	50.4
77	32.5	24.5	36.7





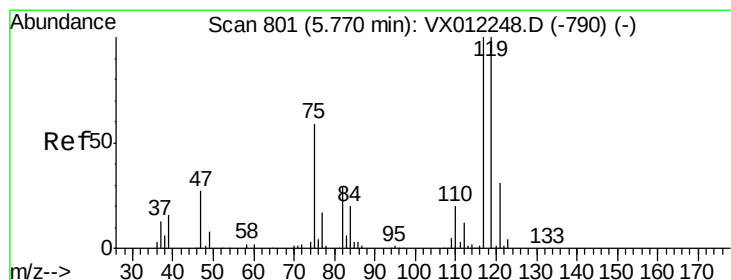
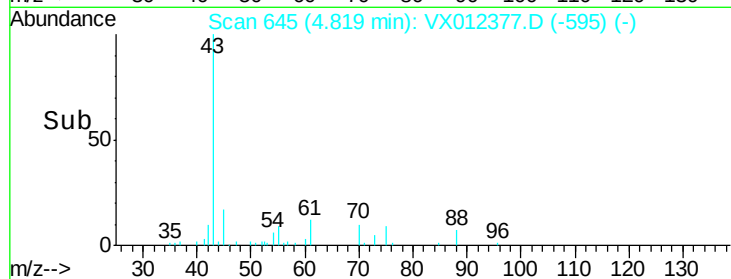
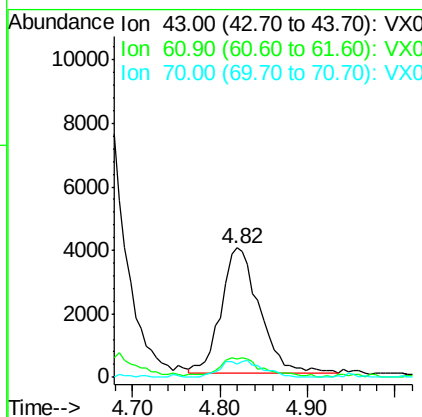
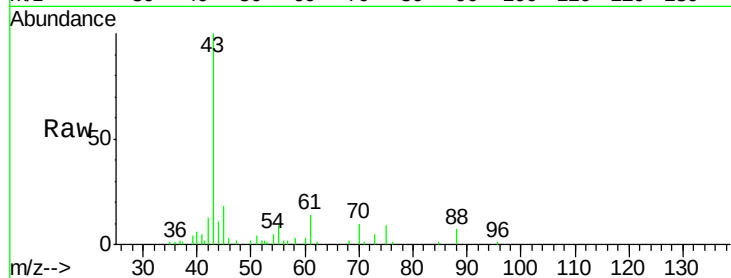
#37
Ethyl Acetate
Concen: 13.637 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.8	10.3	15.5#
70	6.3	9.1	13.7#

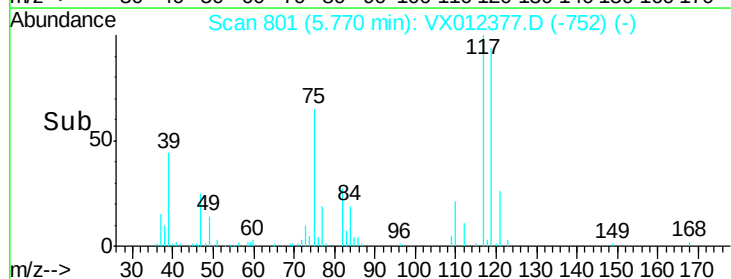
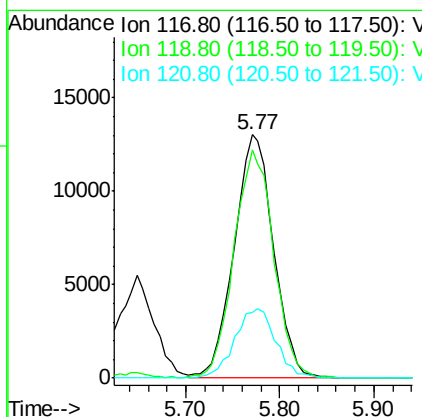
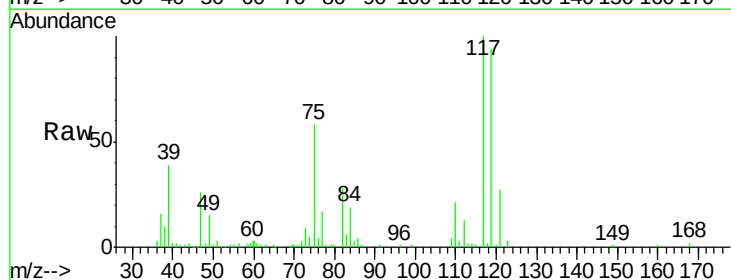
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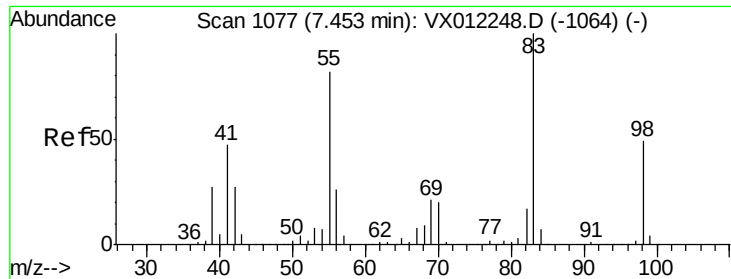
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#38
Carbon Tetrachloride
Concen: 22.537 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	79.6	119.4
121	27.0	24.7	37.1





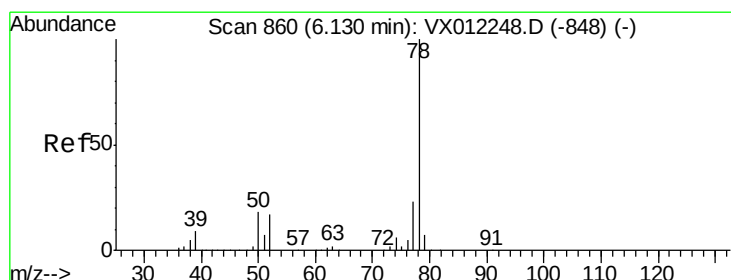
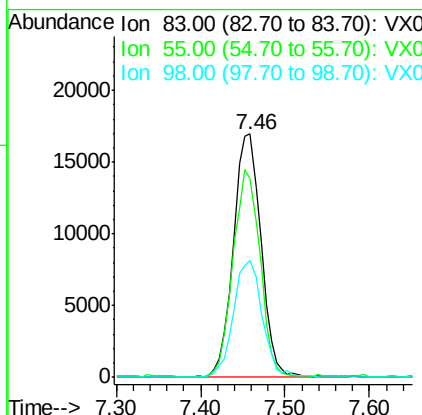
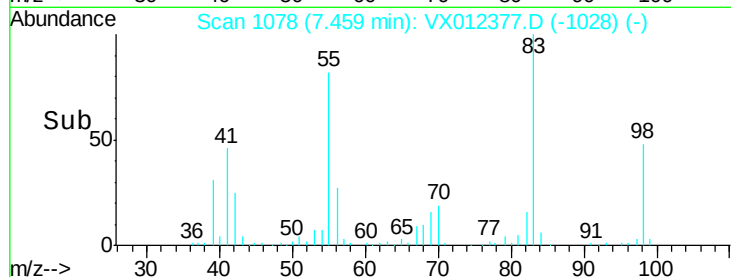
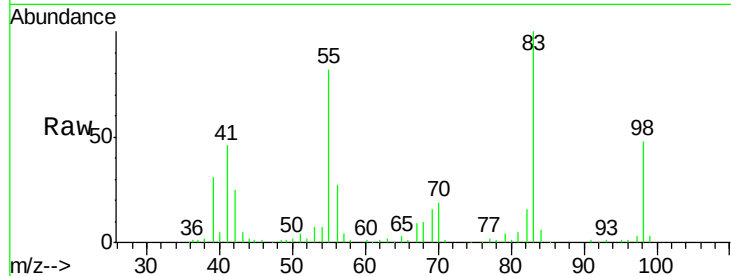
#39
Methylvlcyclohexane
Concen: 23.793 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.5	65.4	98.2
98	47.8	39.6	59.4

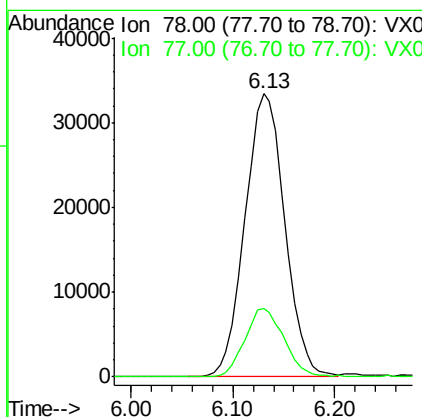
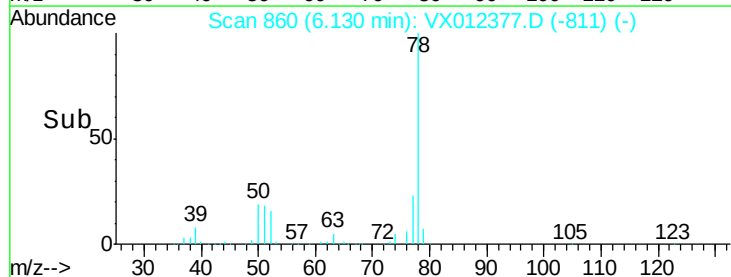
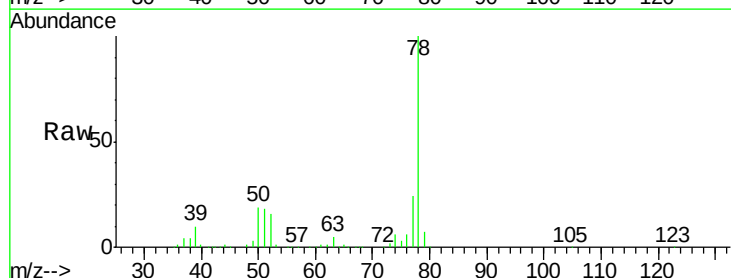
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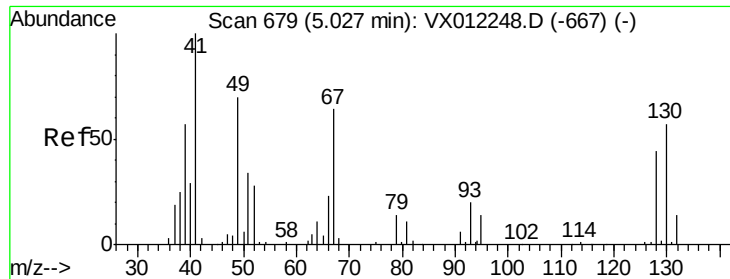
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#40
Benzene
Concen: 20.845 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.0	27.0





#41

Methacrylonitrile

Concen: 13.841 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS01

Tot Ion: 41 Resp: 7599

Ion Ratio Lower Upper

41 100

39 56.4 49.0 73.4

67 69.5 55.0 82.4

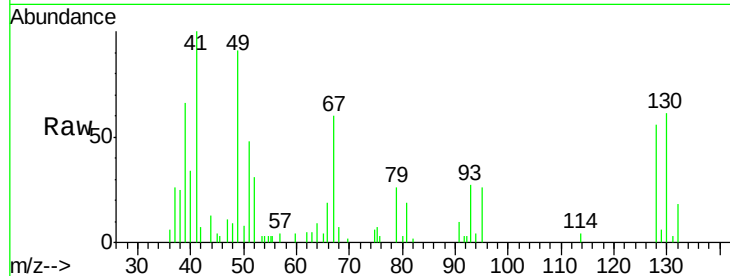
52 34.5 25.4 38.0

Manual Integrations

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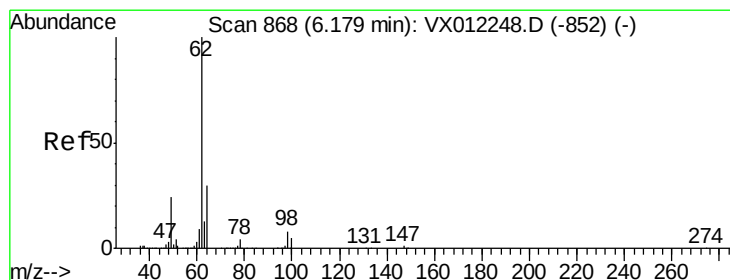
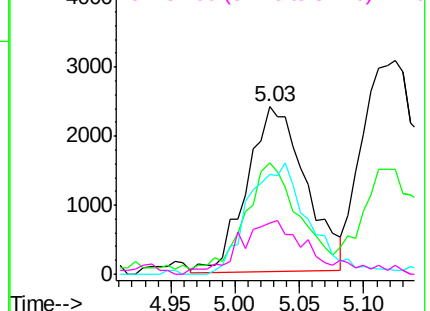
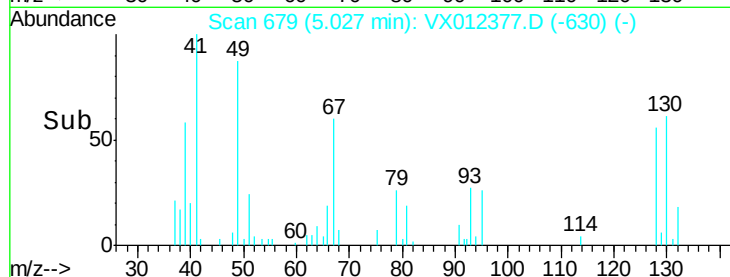


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 16.545 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX012377.D

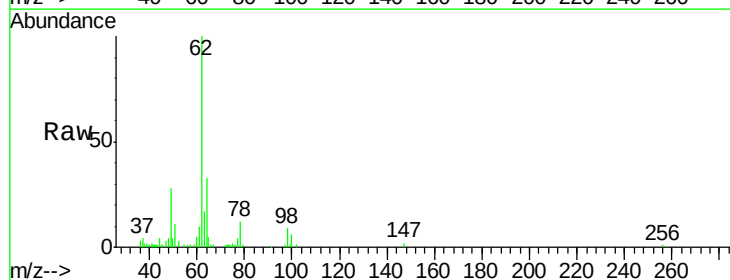
Acq: 13 Sep 2019 10:47

Tgt Ion: 62 Resp: 28513

Ion Ratio Lower Upper

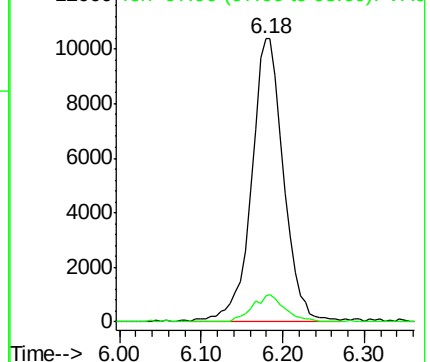
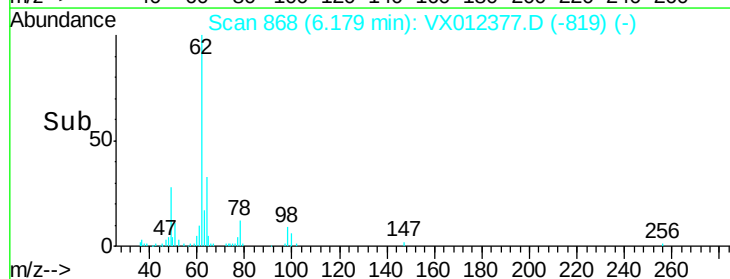
62 100

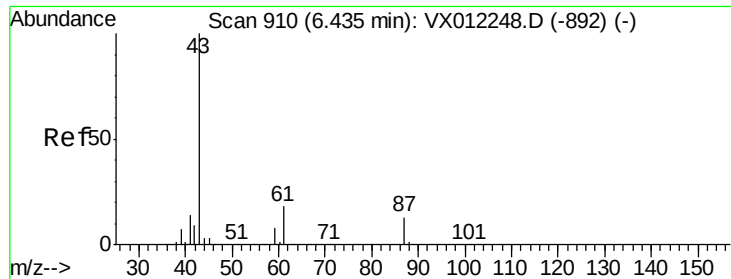
98 9.8 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

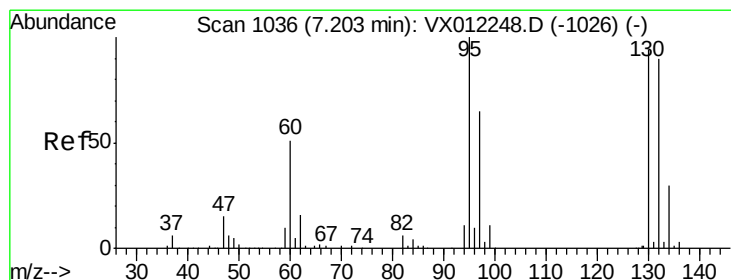
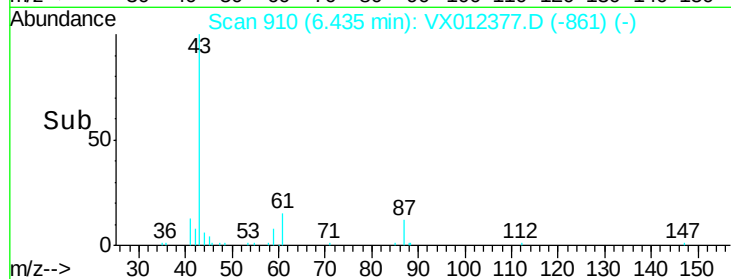
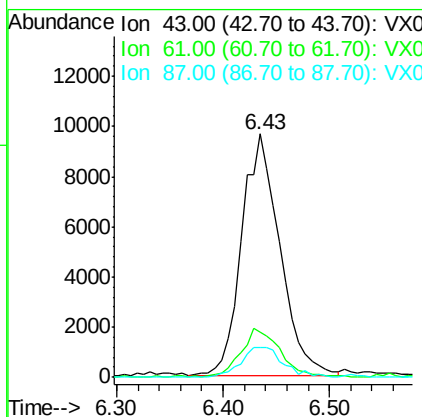
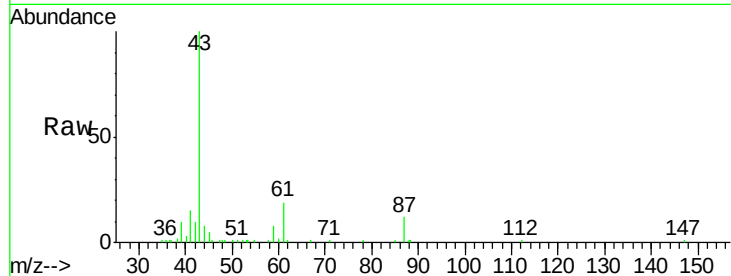
Isopropyl Acetate
 Concen: 12.937 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX012377.D
 Acq: 13 Sep 2019 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS01

Tot Ion:	43	Resp:	24291
Ion	Ratio	Lower	Upper
43	100		
61	21.0	15.4	23.2
87	13.8	10.5	15.7

Manual Integrations
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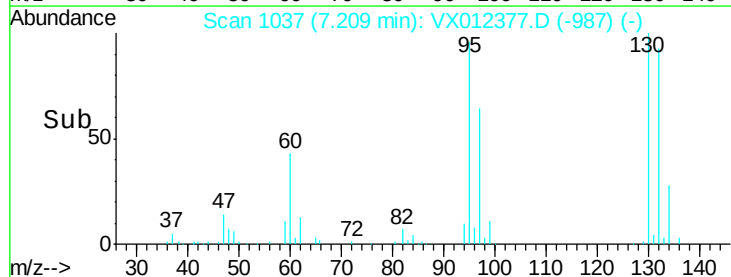
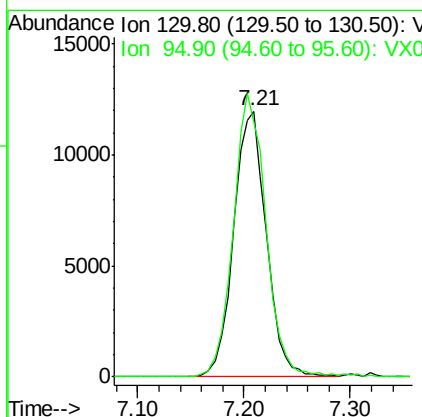
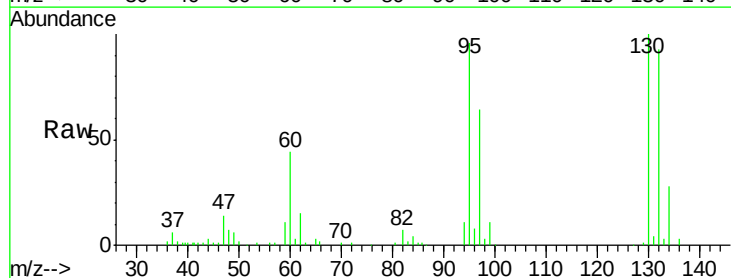
MMDadoda
 9/16/2019 1:13:04 AM

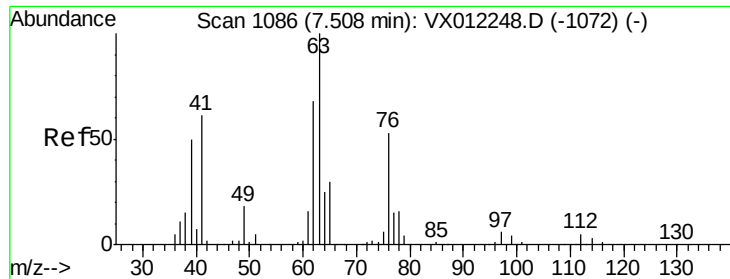


#44

Trichloroethene
 Concen: 21.828 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012377.D
 Acq: 13 Sep 2019 10:47

Tgt Ion:	130	Resp:	25758
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	212.0





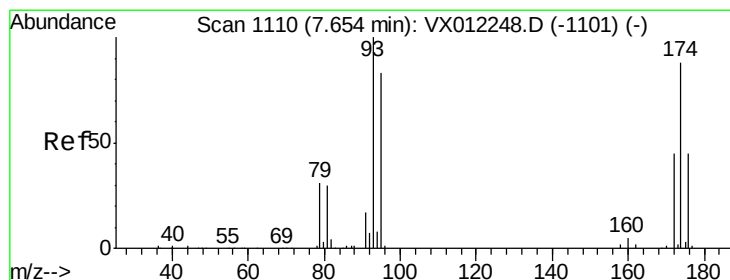
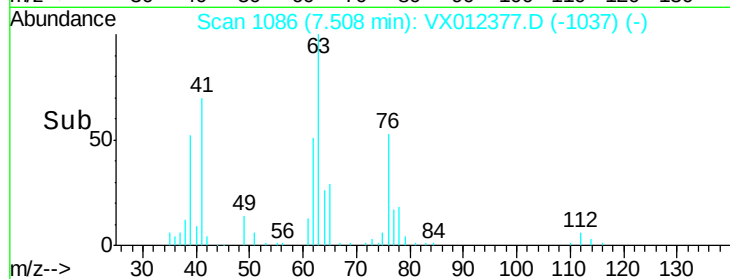
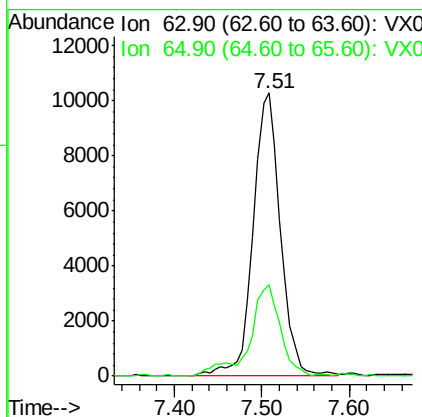
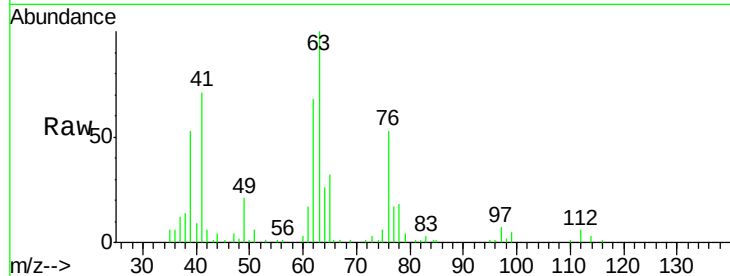
#45
 1,2-Dichloropropane
 Concen: 18.453 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX012377.D
 Acq: 13 Sep 2019 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS01

Tot Ion: 63 Resp: 22272
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.3 36.5

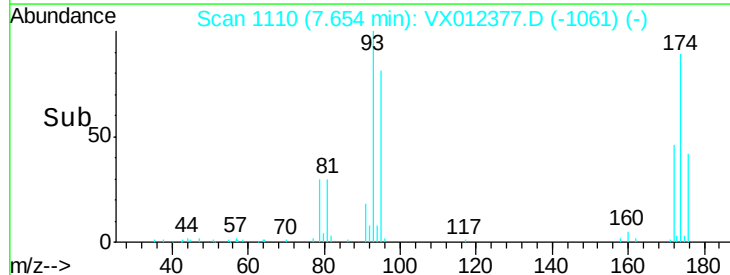
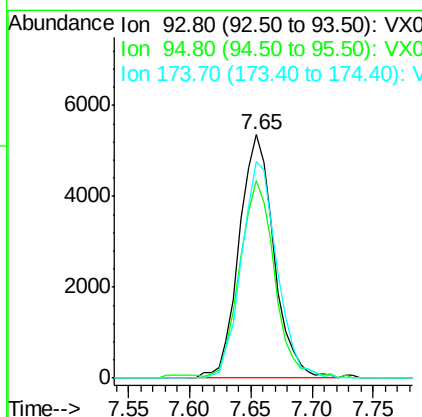
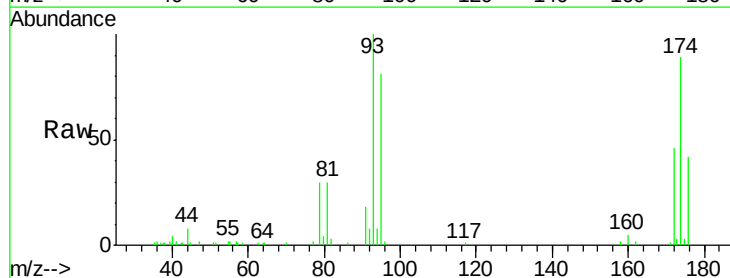
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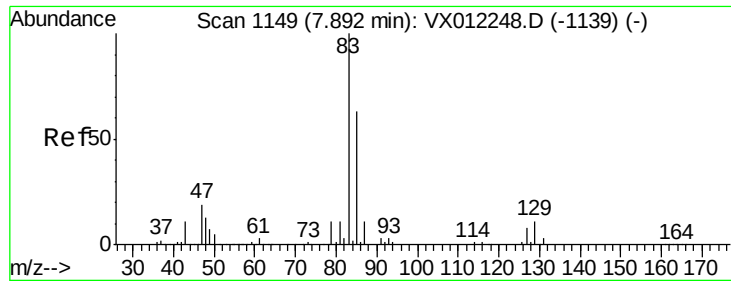
MMDadoda
 9/16/2019 1:13:04 AM



#46
 Dibromomethane
 Concen: 16.054 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012377.D
 Acq: 13 Sep 2019 10:47

Tgt Ion: 93 Resp: 10590
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.7 98.5
 174 90.8 71.0 106.4





#47

Bromodichloromethane

Concen: 16.698 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

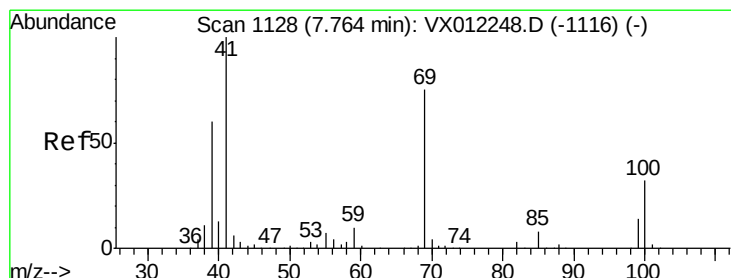
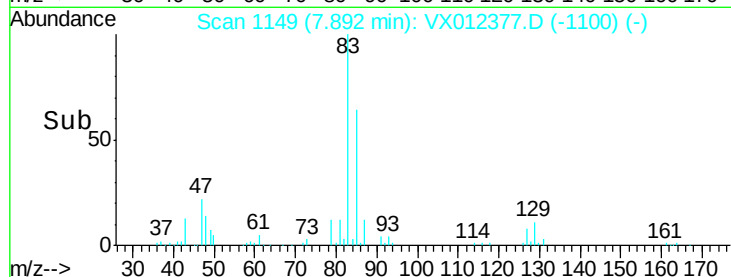
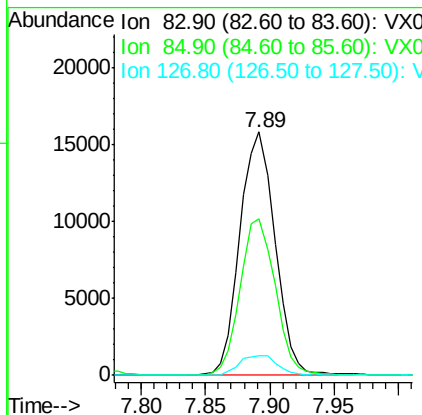
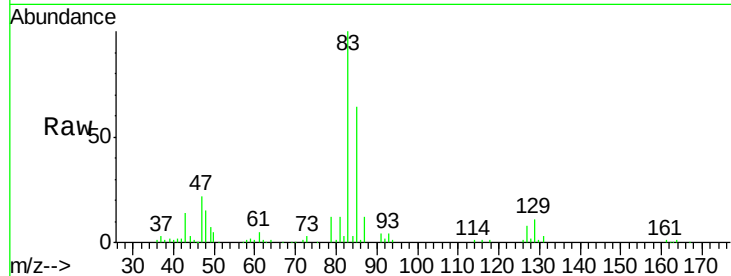
ClientSampleId :

VX0913SBS01

Tot Ion:	83	Resp:	30058
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.2	75.4
127	8.2	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 12.964 ug/l

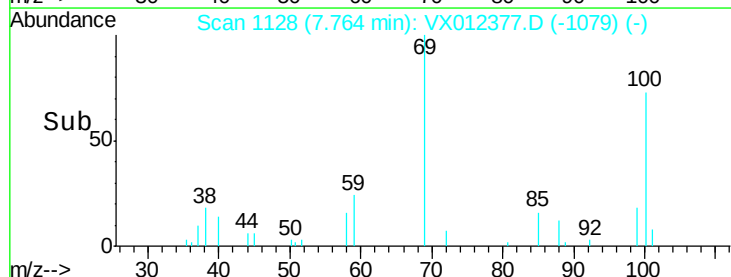
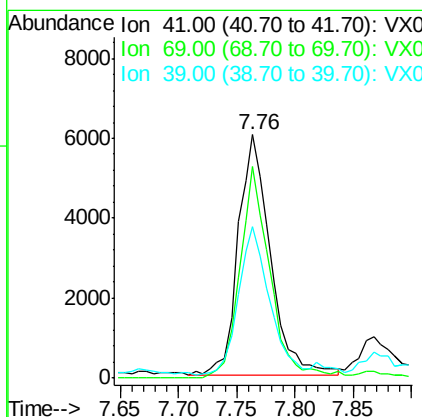
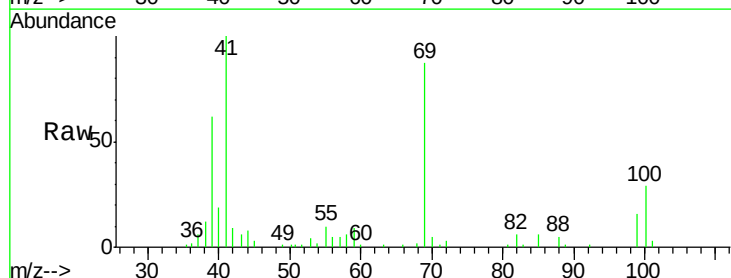
RT: 7.76 min Scan# 1128

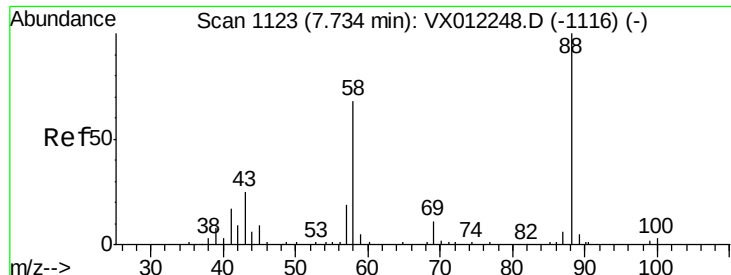
Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Tgt Ion:	41	Resp:	11651
Ion	Ratio	Lower	Upper
41	100		
69	82.1	61.8	92.6
39	59.8	48.6	73.0





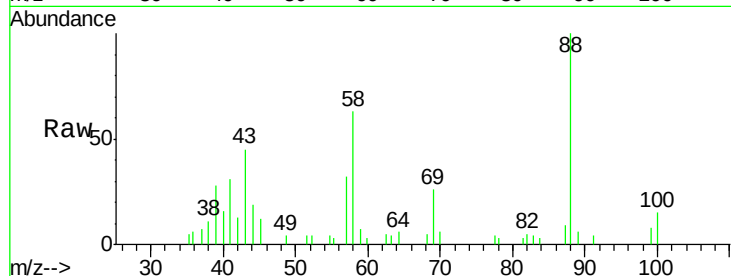
#49
1,4-Dioxane
Concen: 266.341 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS01

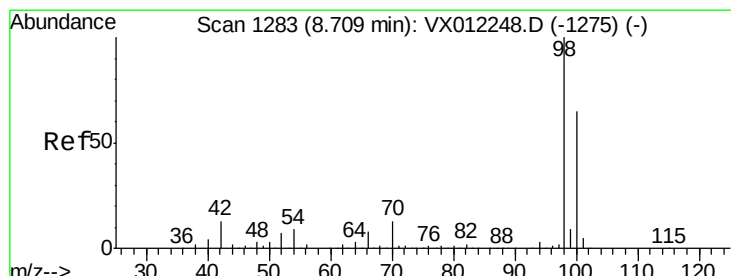
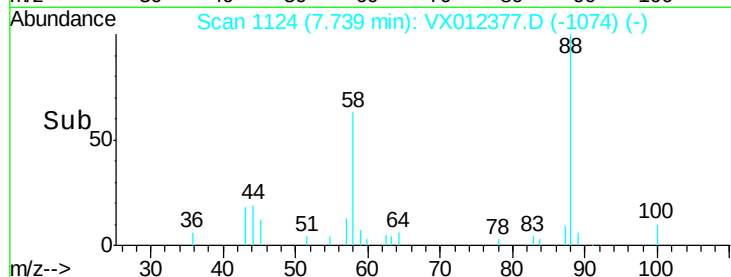
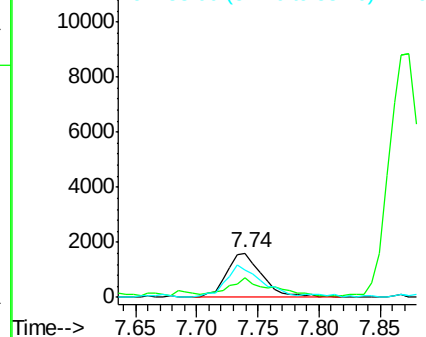
Tot Ion	Ratio	Lower	Upper
88	100		
43	43.7	31.0	46.4
58	74.4	61.5	92.3

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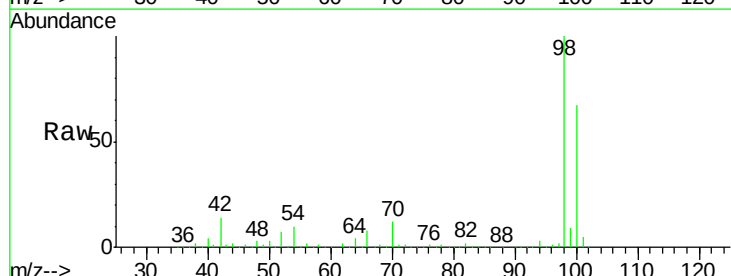


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

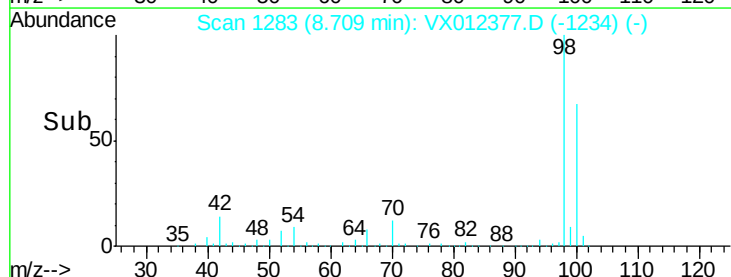
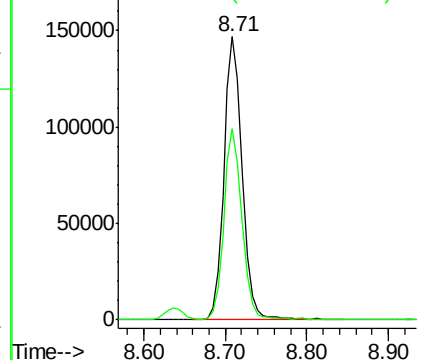


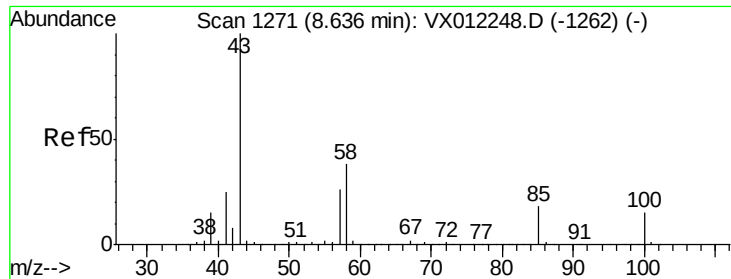
#50
Toluene-d8
Concen: 51.766 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	54.1	81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 61.529 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS01

Tot Ion: 43 Resp: 60973

Ion Ratio Lower Upper

43 100

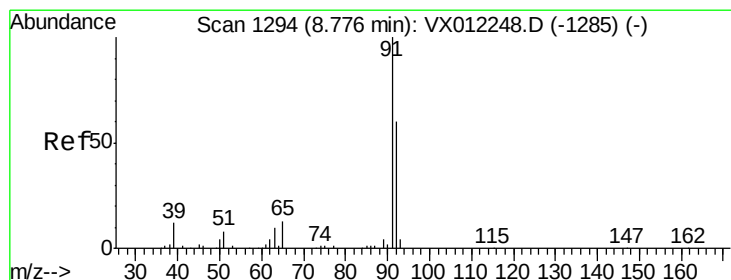
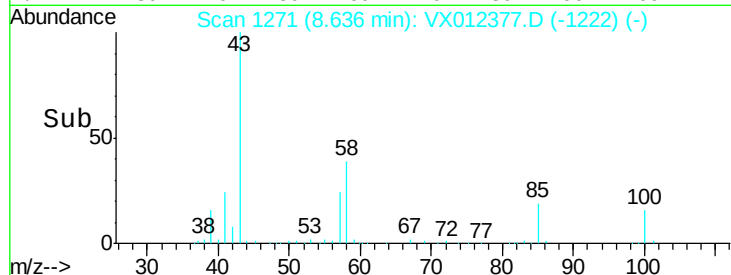
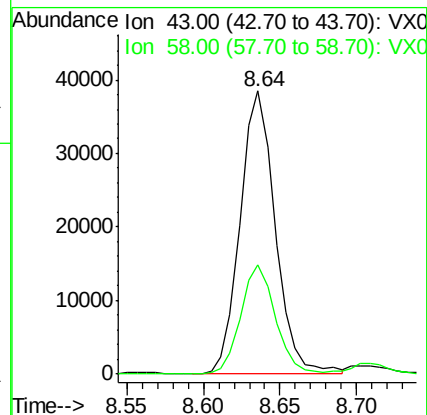
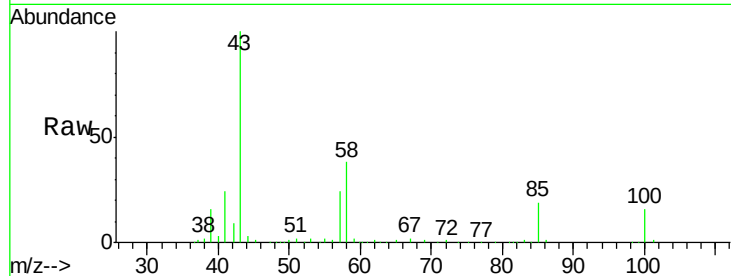
58 38.4 30.1 45.1

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#52

Toluene

Concen: 21.183 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX012377.D

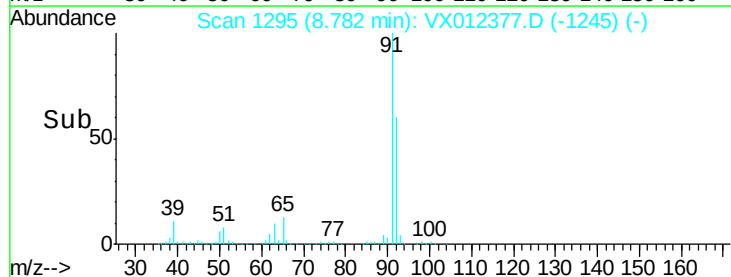
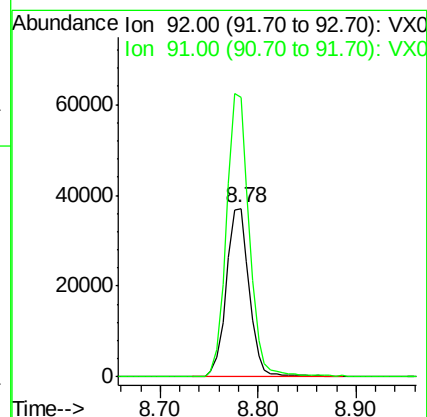
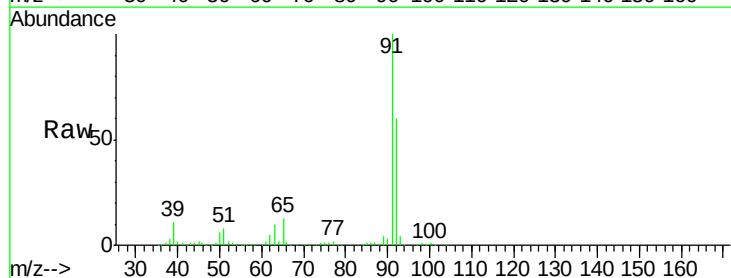
Acq: 13 Sep 2019 10:47

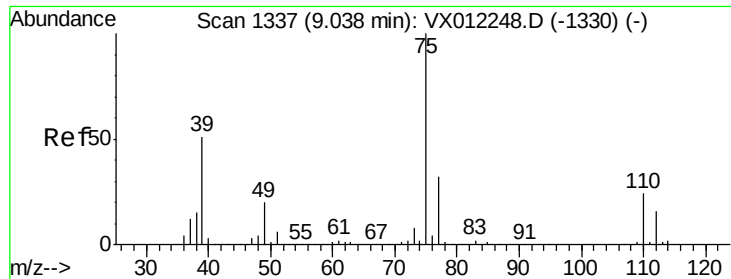
Tgt Ion: 92 Resp: 61007

Ion Ratio Lower Upper

92 100

91 166.8 133.6 200.4





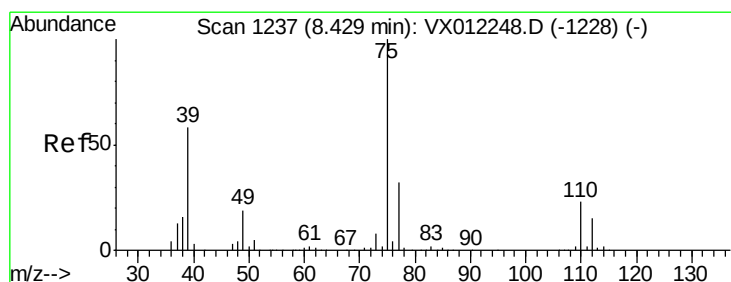
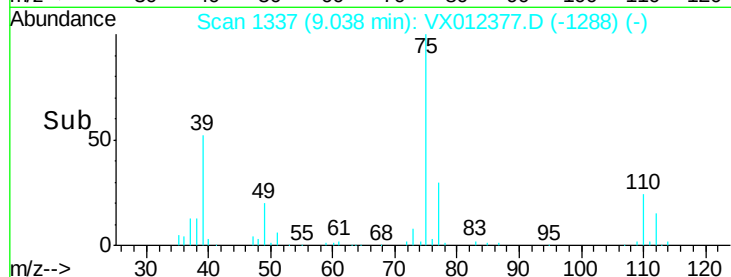
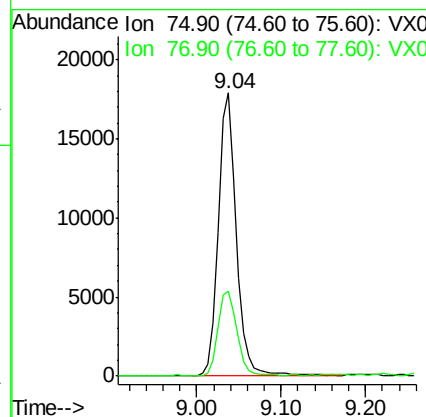
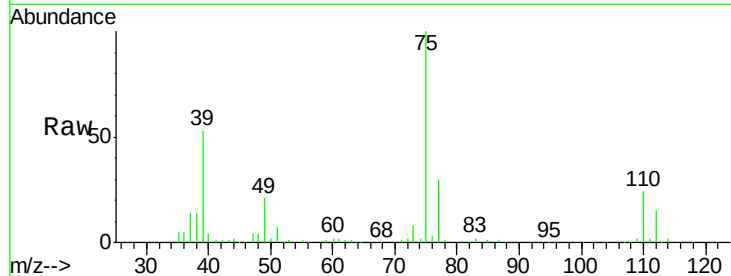
#53
t-1,3-Dichloropropene
Concen: 14.872 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS01

Tot Ion: 75 Resp: 26720
Ion Ratio Lower Upper
75 100
77 29.5 25.8 38.6

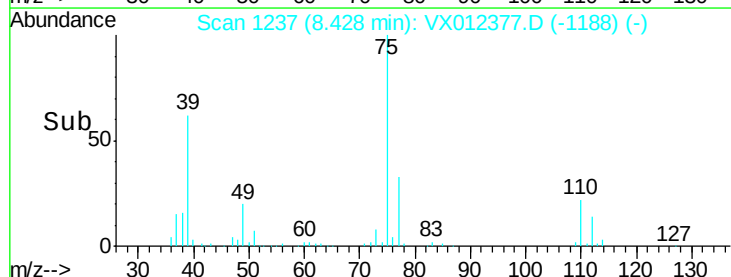
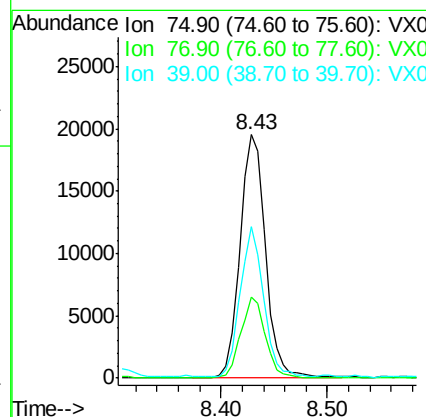
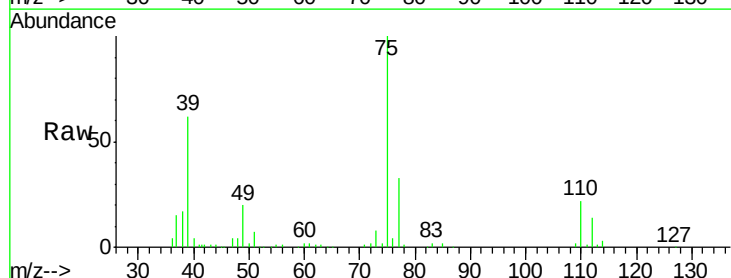
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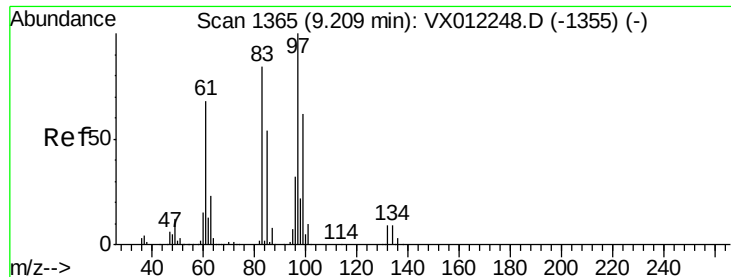
MMDadoda
9/16/2019 1:13:04 AM



#54
cis-1,3-Dichloropropene
Concen: 16.572 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Tgt Ion: 75 Resp: 33016
Ion Ratio Lower Upper
75 100
77 33.2 25.4 38.2
39 61.4 46.5 69.7





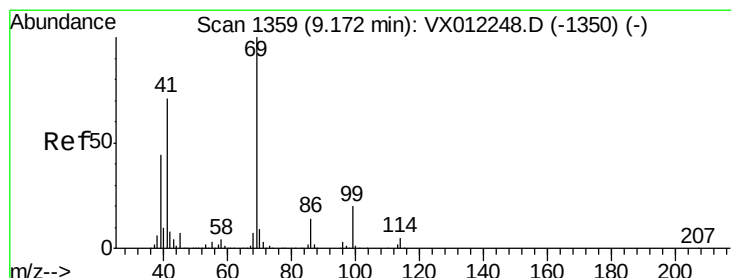
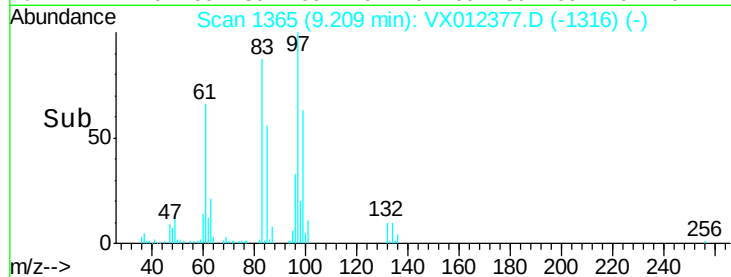
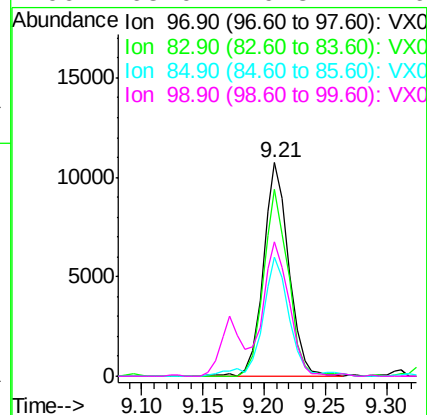
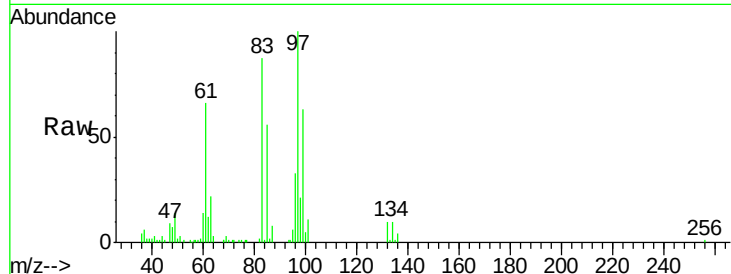
#55
 1,1,2-Trichloroethane
 Concen: 15.185 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012377.D
 Acq: 13 Sep 2019 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS01

Tot Ion:	97	Resp:	15518
Ion	Ratio	Lower	Upper
97	100		
83	87.5	67.4	101.2
85	55.8	43.4	65.2
99	63.0	49.8	74.6

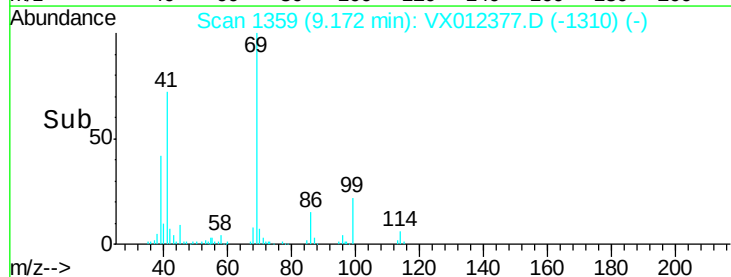
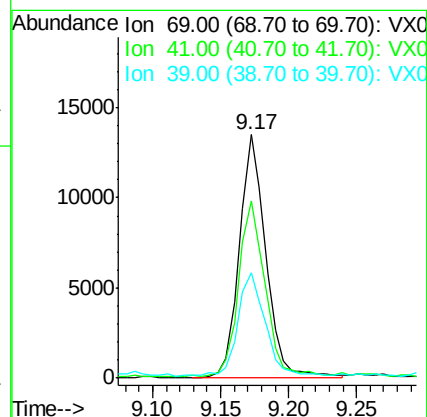
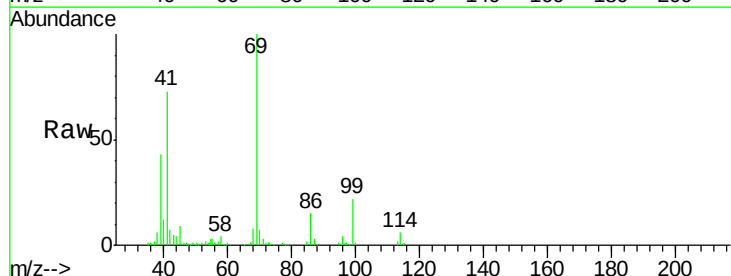
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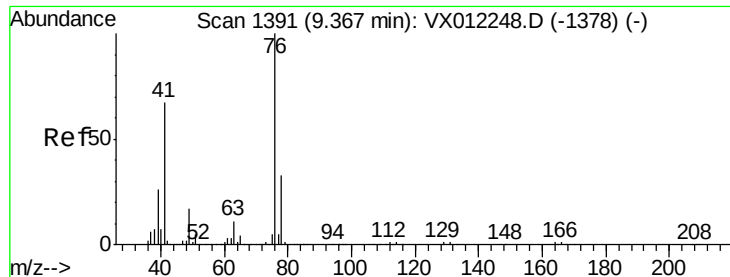
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#56
 Ethyl methacrylate
 Concen: 13.363 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012377.D
 Acq: 13 Sep 2019 10:47

Tgt Ion:	69	Resp:	18490
Ion	Ratio	Lower	Upper
69	100		
41	71.6	57.7	86.5
39	42.0	34.0	51.0





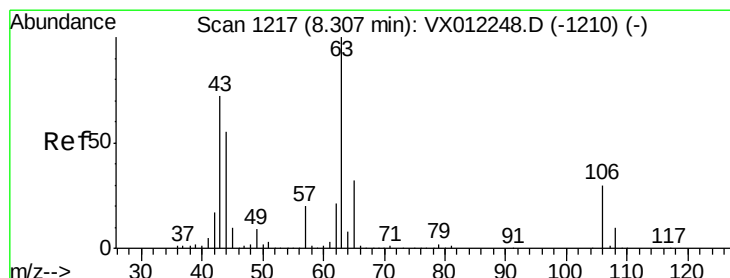
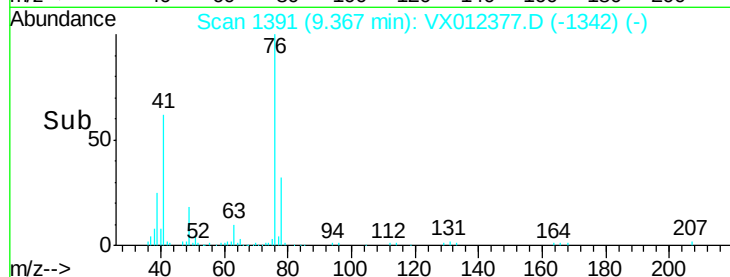
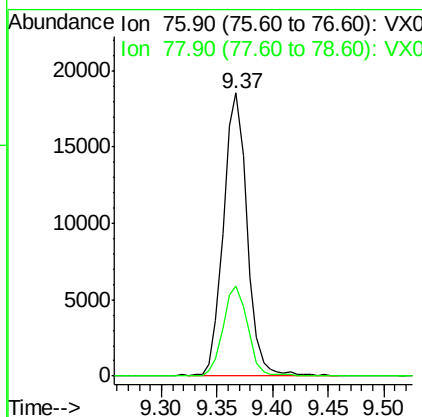
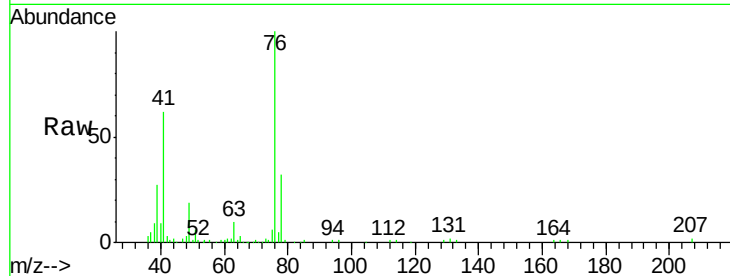
#57
 1,3-Dichloropropane
 Concen: 15.721 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012377.D
 Acq: 13 Sep 2019 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS01

Tot Ion: 76 Resp: 27439
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.0 39.0

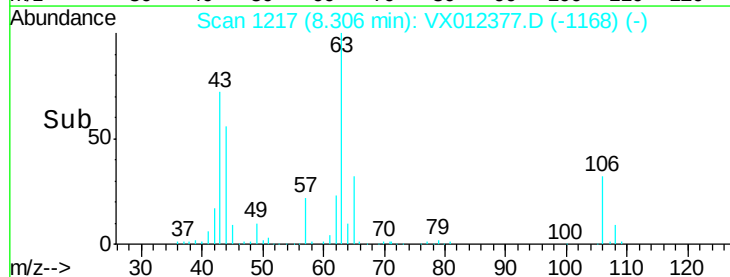
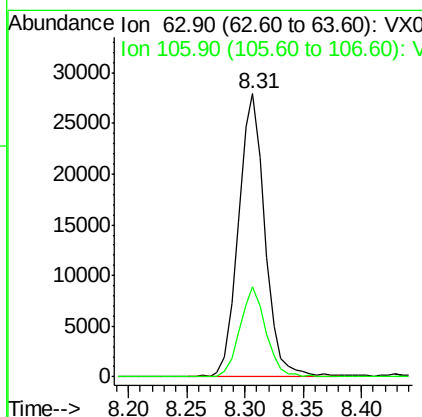
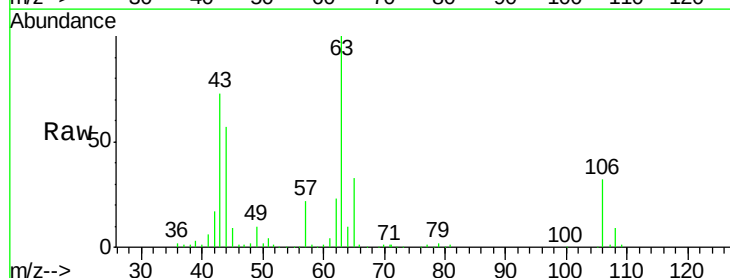
Manual Integrations
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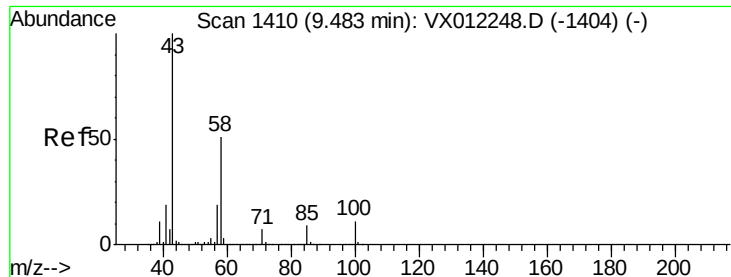
MMDadoda
 9/16/2019 1:13:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 62.120 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012377.D
 Acq: 13 Sep 2019 10:47

Tgt Ion: 63 Resp: 44054
 Ion Ratio Lower Upper
 63 100
 106 31.3 23.4 35.2





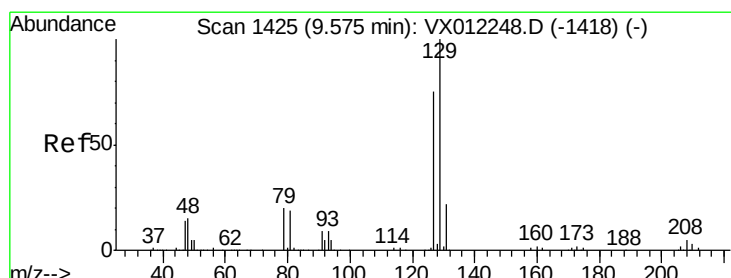
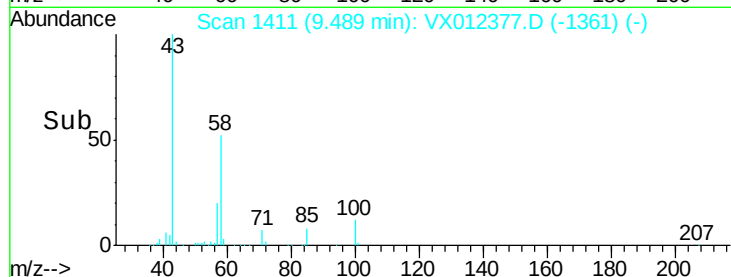
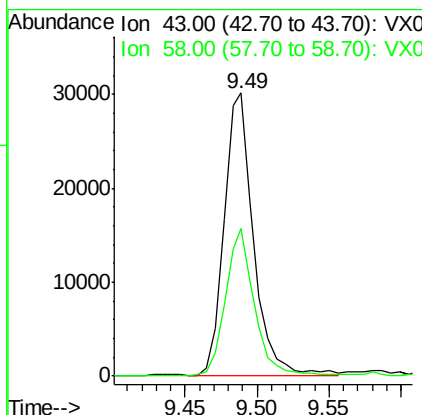
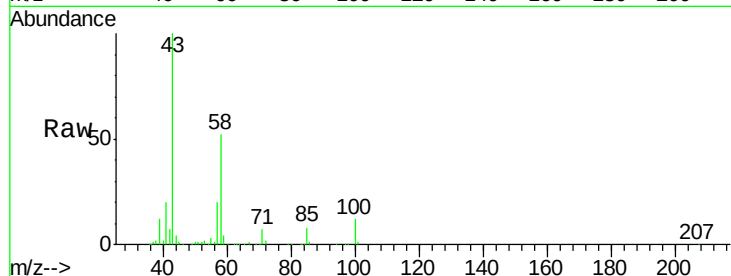
#59
2-Hexanone
Concen: 62.016 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS01

Tot Ion: 43 Resp: 42730
Ion Ratio Lower Upper
43 100
58 51.8 25.8 77.3

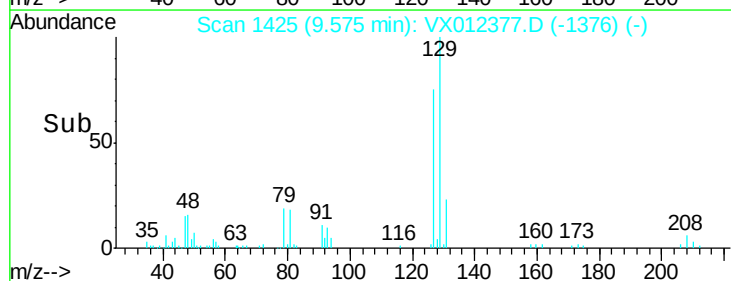
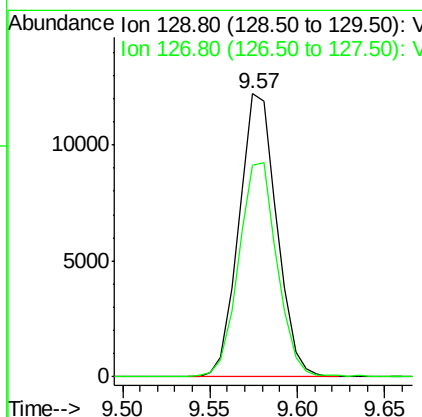
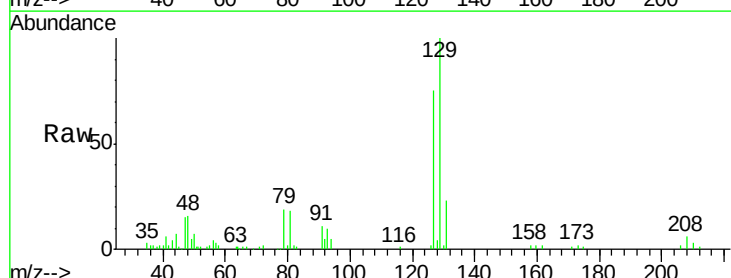
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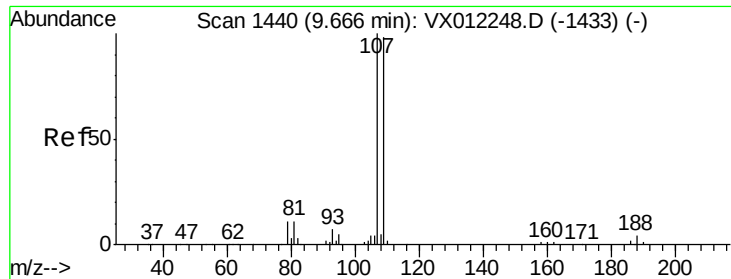
MMDadoda
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#60
Dibromochloromethane
Concen: 15.311 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Tgt Ion: 129 Resp: 18267
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.3





#61

1,2-Dibromoethane

Concen: 14.527 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS01

Tot Ion: 107 Resp: 13819

Ion Ratio Lower Upper

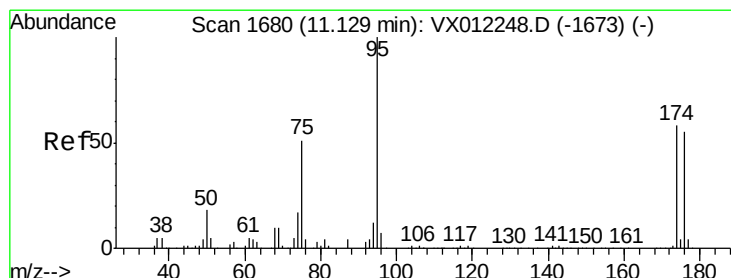
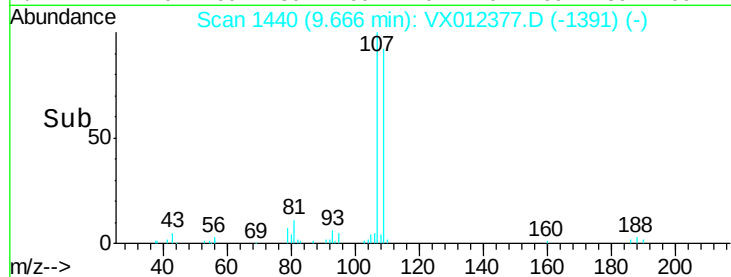
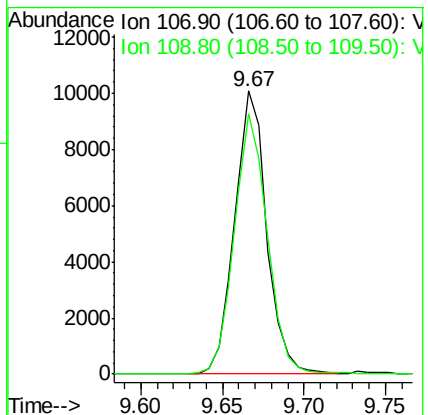
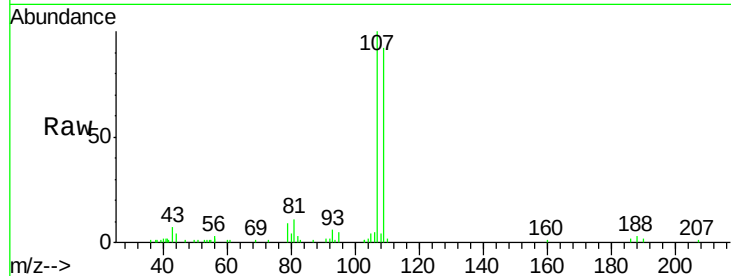
107 100

109 94.8 76.3 114.5

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#62

4-Bromofluorobenzene

Concen: 40.231 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

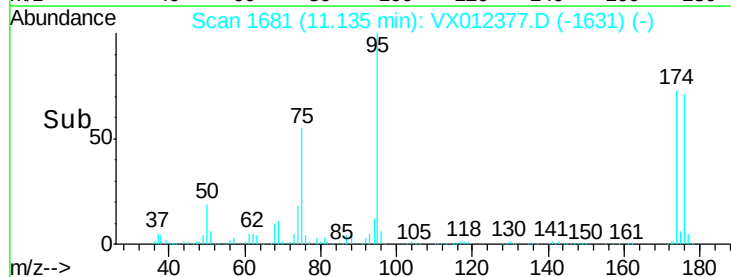
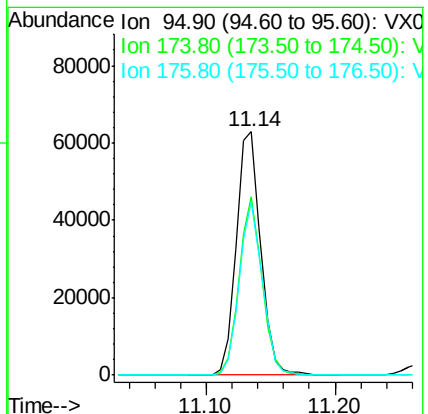
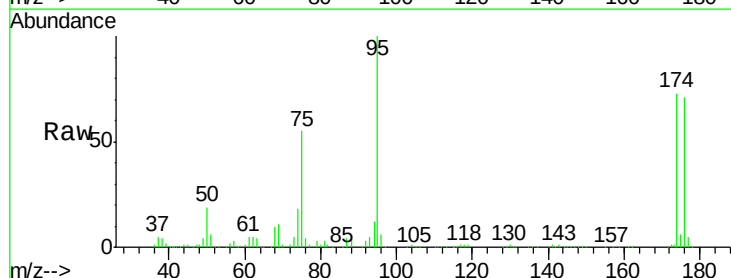
Tgt Ion: 95 Resp: 82855

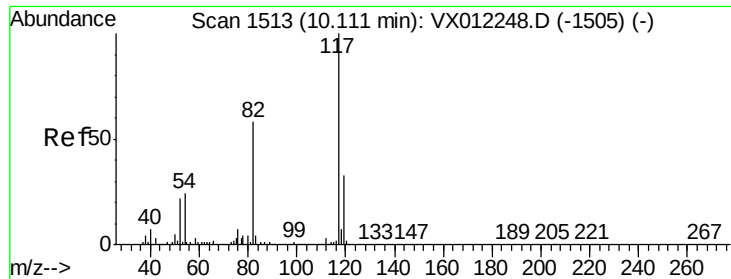
Ion Ratio Lower Upper

95 100

174 68.9 0.0 127.0

176 67.2 0.0 125.8





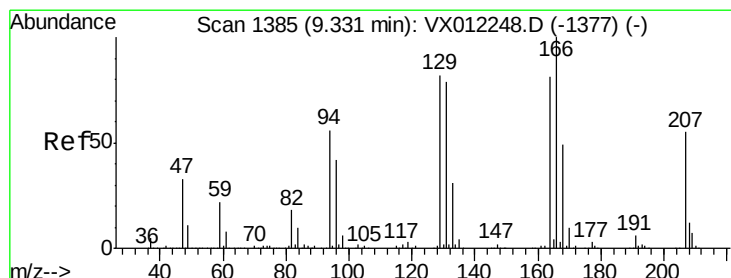
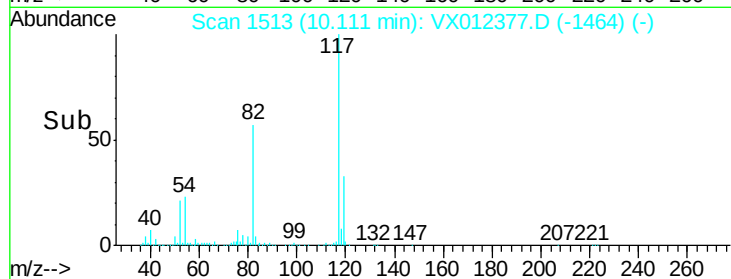
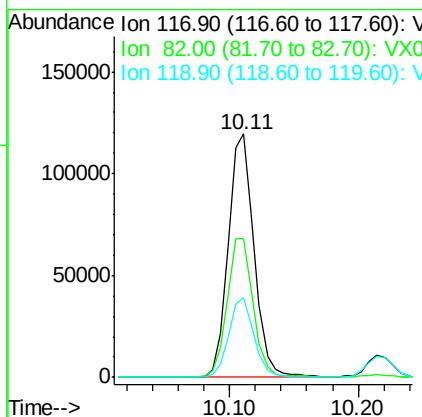
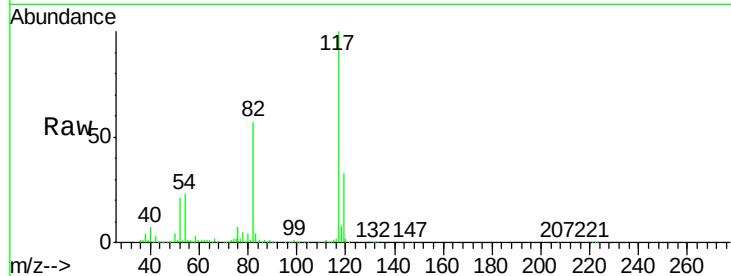
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	168152		
82	57.2	46.4	69.6	
119	32.9	26.6	39.8	

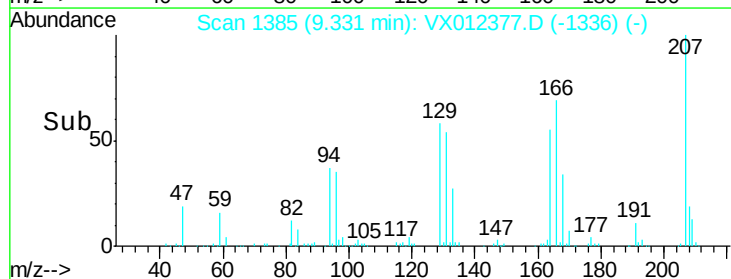
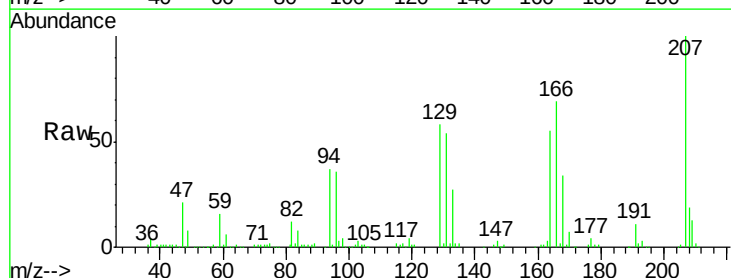
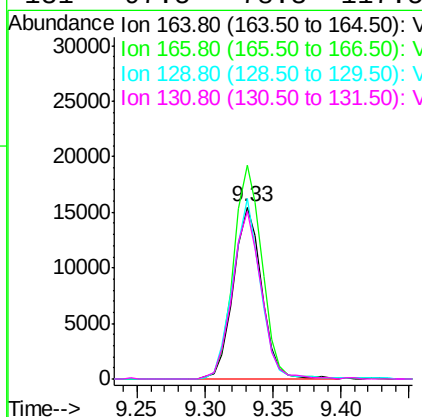
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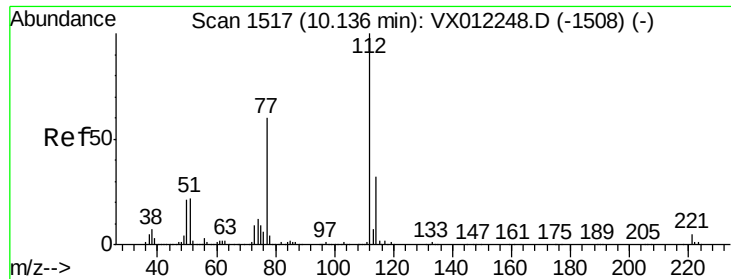
MMDadoda
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#64
Tetrachloroethene
Concen: 25.283 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	22484		
166	124.3	99.4	149.0	
129	104.9	81.8	122.8	
131	97.5	78.3	117.5	





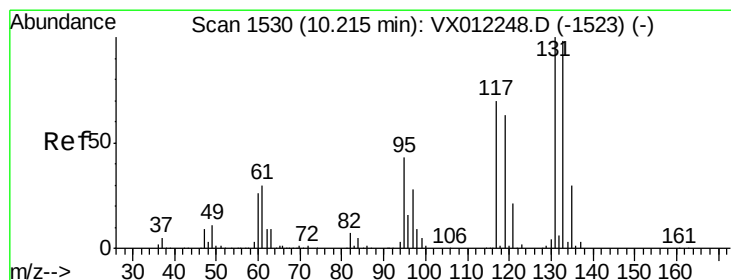
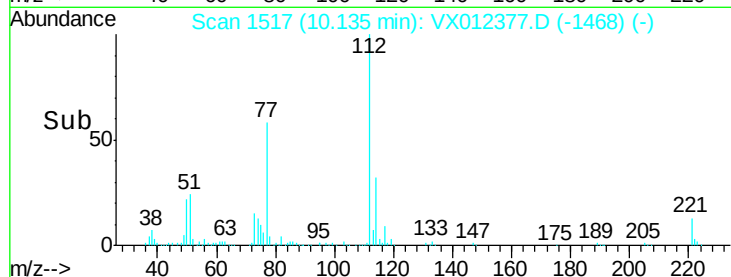
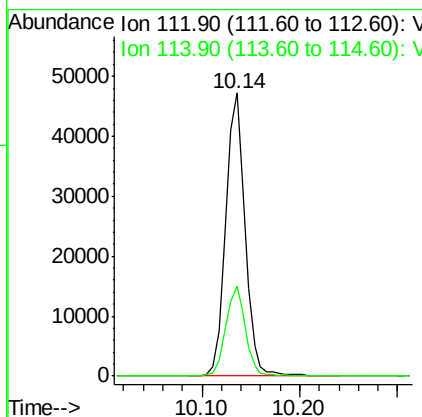
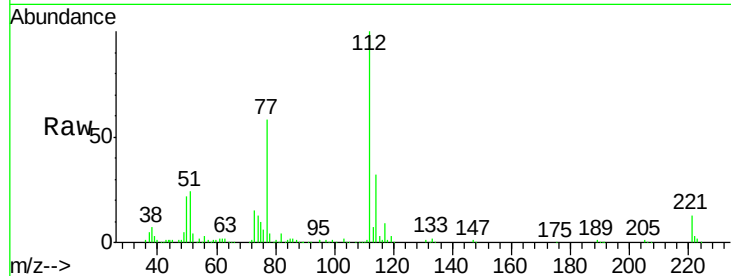
#65
Chlorobenzene
Concen: 21.144 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampled :
VX0913SBS01

Tot Ion:112 Resp: 64965
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0

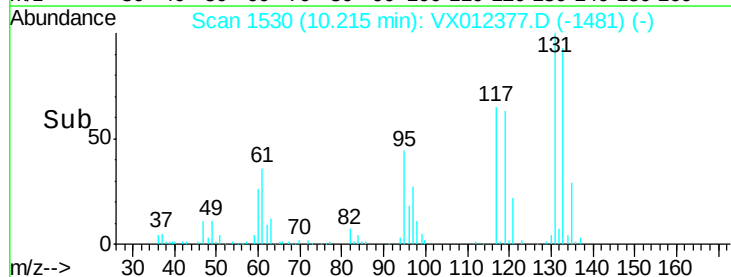
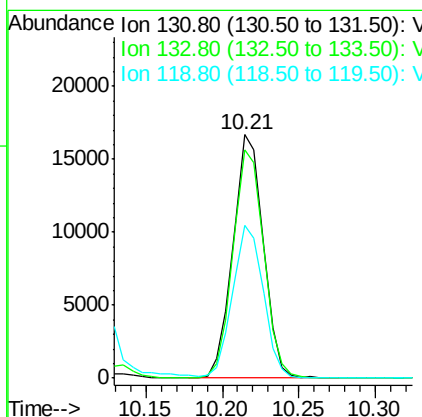
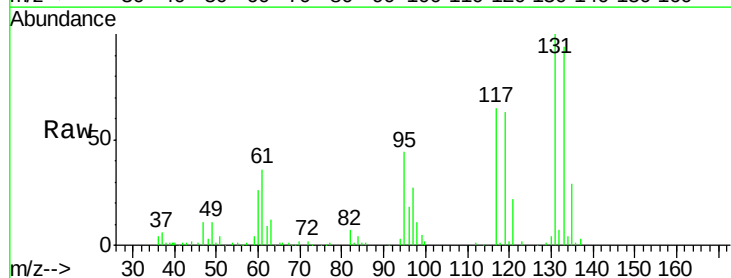
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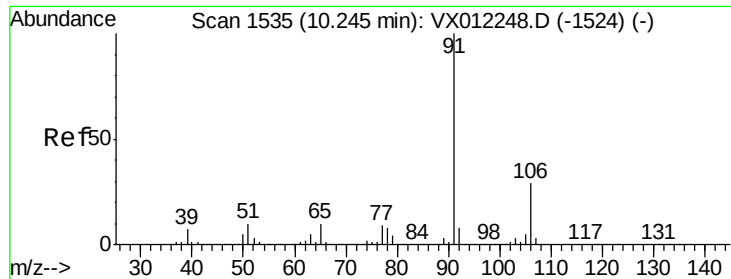
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.772 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Tgt Ion:131 Resp: 22900
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.2
119 64.1 31.6 95.0





#67

Ethyl Benzene

Concen: 22.476 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS01

Tot Ion: 91 Resp: 122822

Ion Ratio Lower Upper

91 100

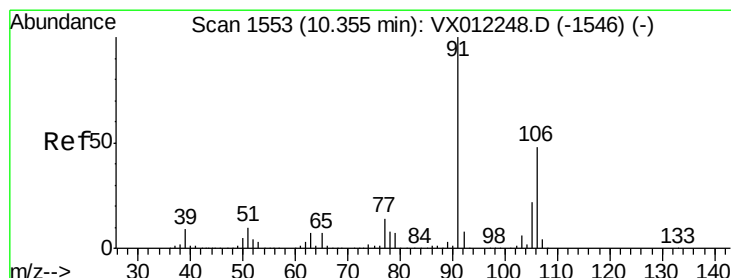
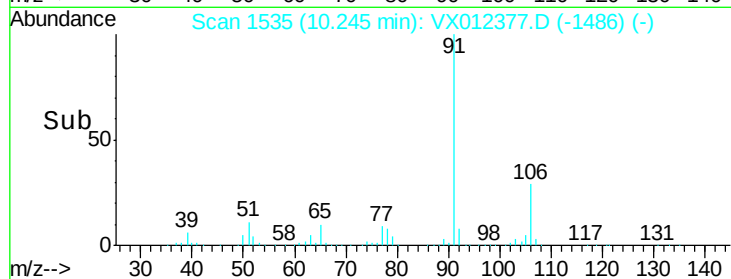
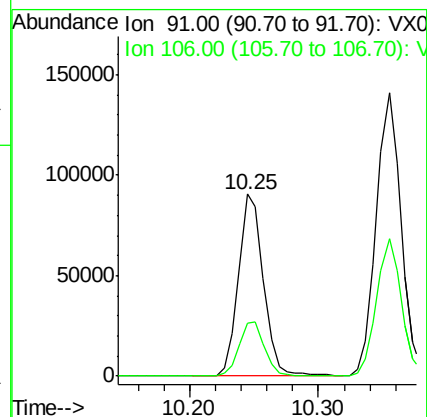
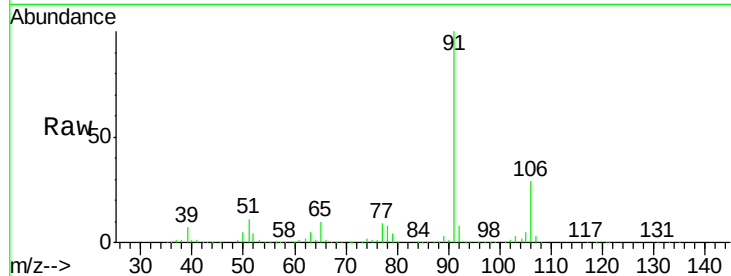
106 29.1 23.1 34.7

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#68

m/p-Xylenes

Concen: 45.623 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX012377.D

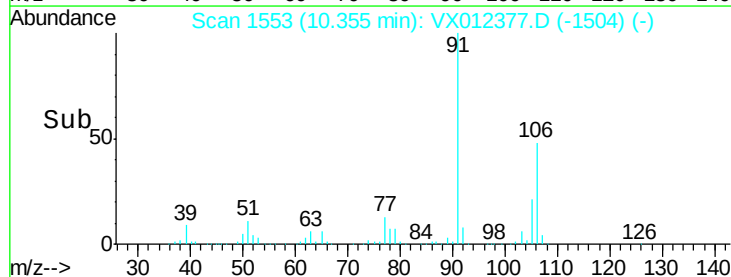
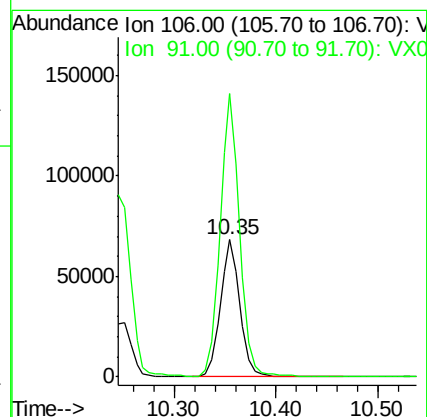
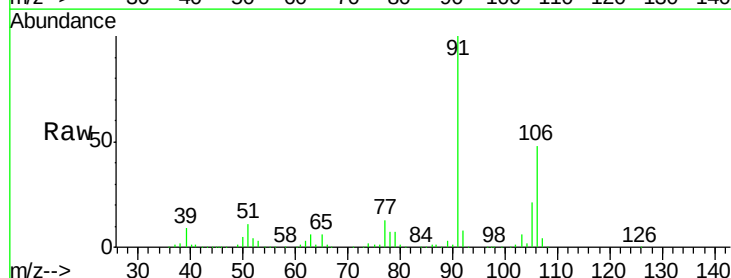
Acq: 13 Sep 2019 10:47

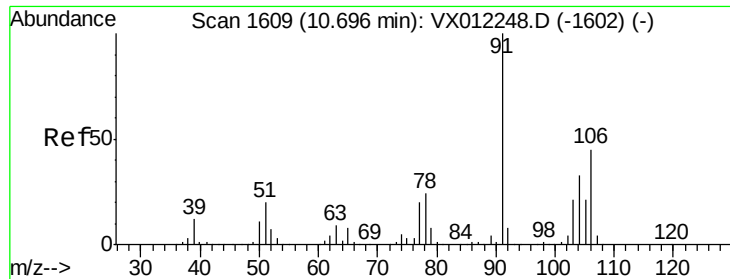
Tgt Ion: 106 Resp: 91773

Ion Ratio Lower Upper

106 100

91 205.3 167.0 250.6





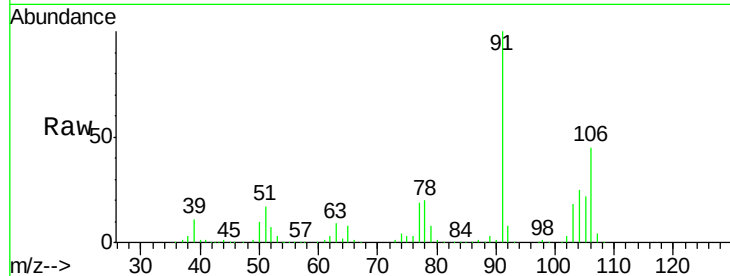
#69
o-Xylene
Concen: 21.344 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS01

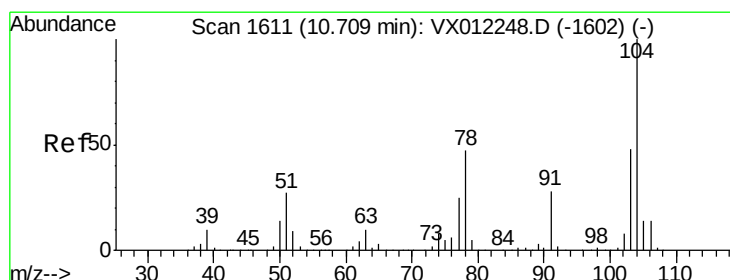
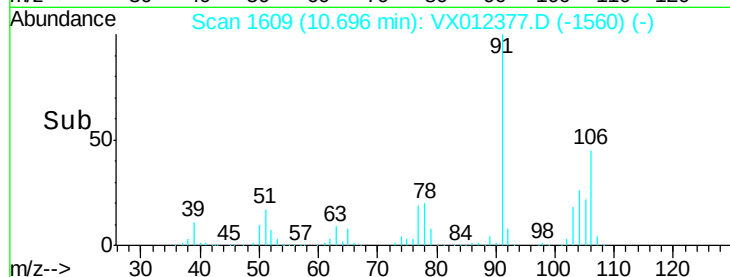
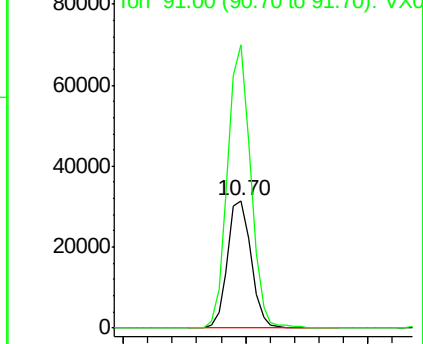
Tot Ion:106 Resp: 42059
Ion Ratio Lower Upper
106 100
91 217.4 110.5 331.4

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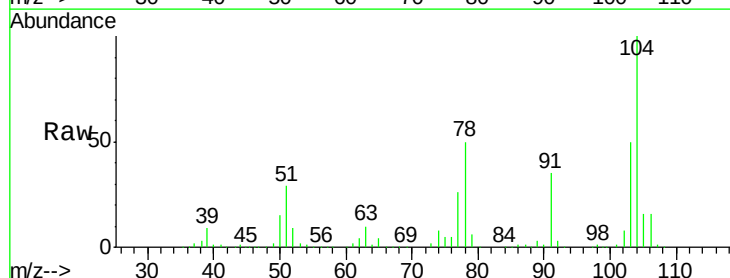


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

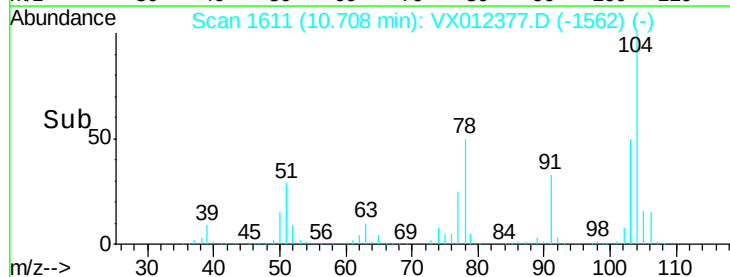
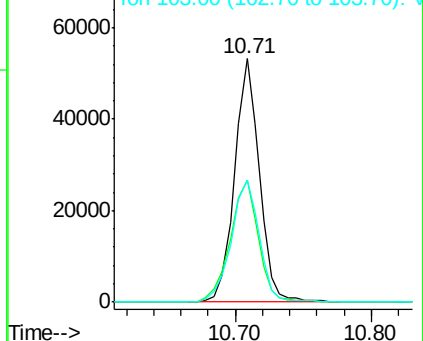


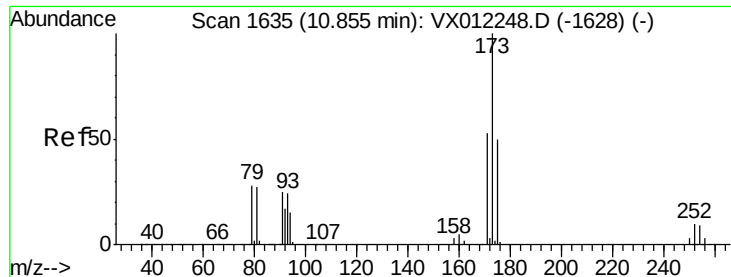
#70
Styrene
Concen: 19.311 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Tgt Ion:104 Resp: 67489
Ion Ratio Lower Upper
104 100
78 57.0 44.2 66.2
103 56.8 42.5 63.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 13.873 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

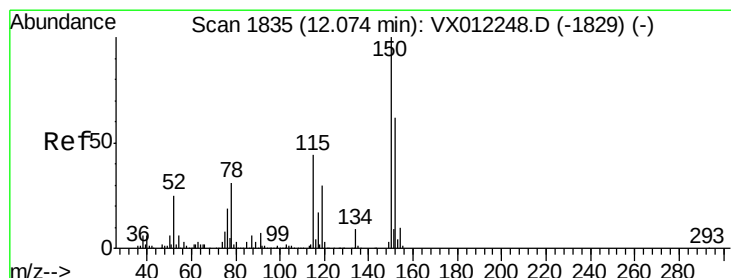
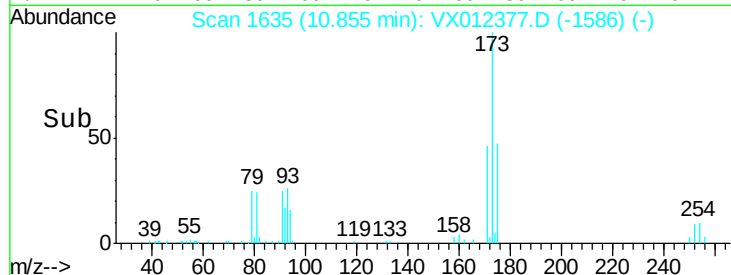
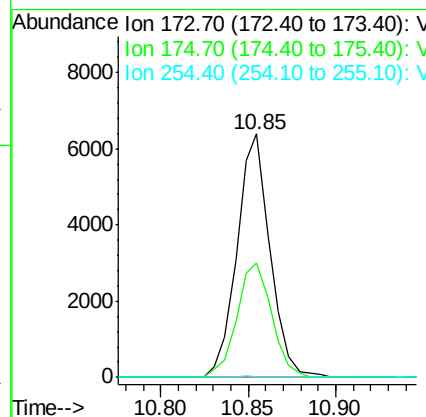
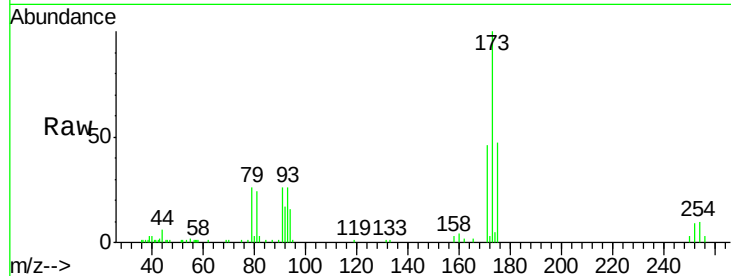
ClientSampleId :

VX0913SBS01

Tot Ion:	173	Resp:	8332
Ion Ratio	Lower	Upper	
173	100		
175	49.7	24.5	73.5
254	0.2	0.2	0.4

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

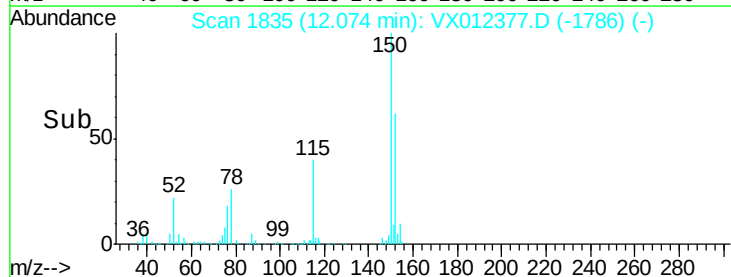
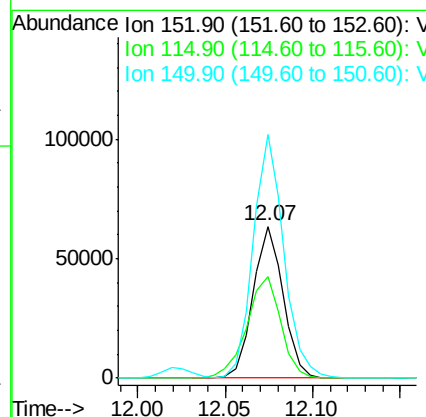
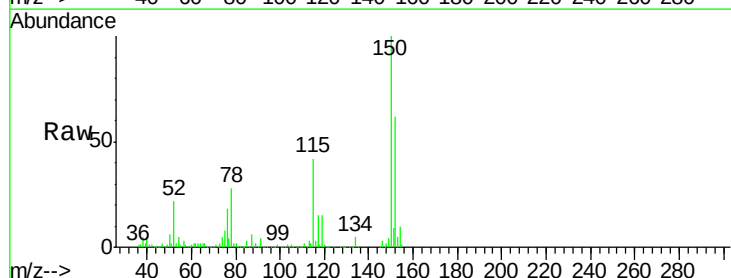
RT: 12.07 min Scan# 1835

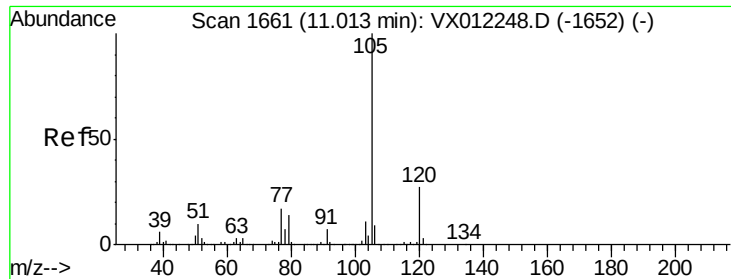
Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Tgt Ion:	152	Resp:	75422
Ion Ratio	Lower	Upper	
152	100		
115	76.3	45.5	136.4
150	164.9	0.0	346.4





#73

Isopropylbenzene

Concen: 24.573 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS01

Tot Ion: 105 Resp: 122013

Ion Ratio Lower Upper

105 100

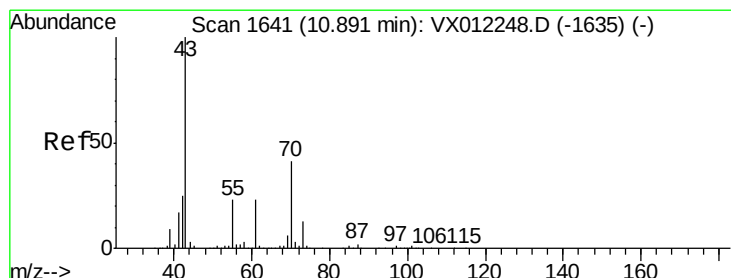
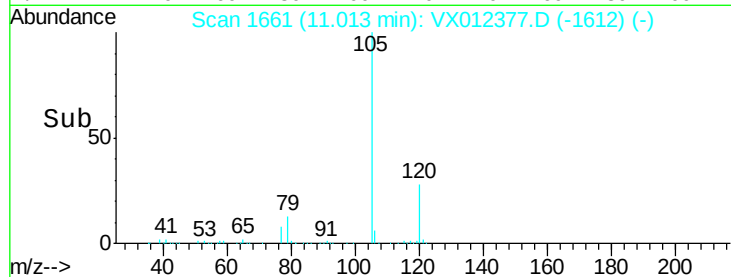
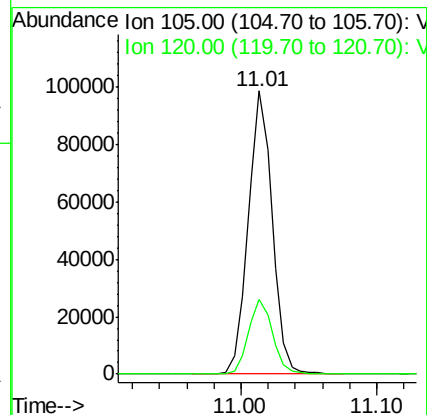
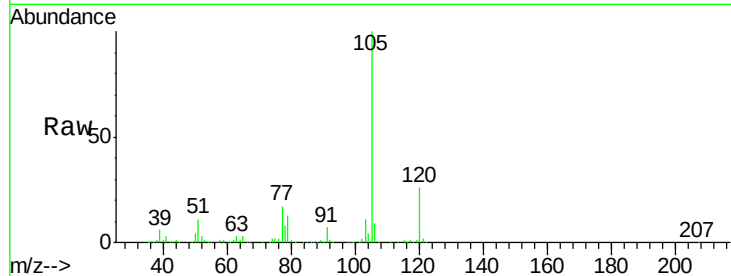
120 26.6 13.2 39.5

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#74

N-ethyl acetate

Concen: 14.454 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Tgt Ion: 43 Resp: 21339

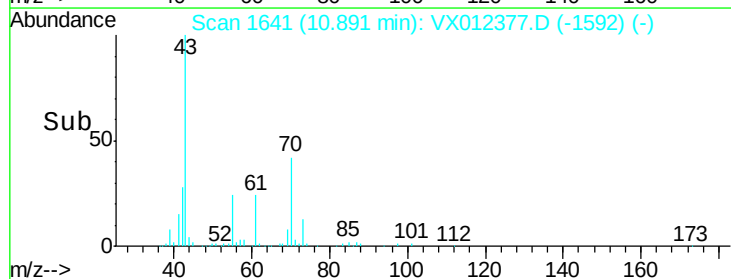
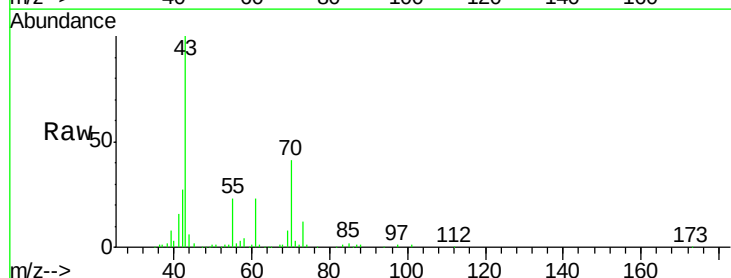
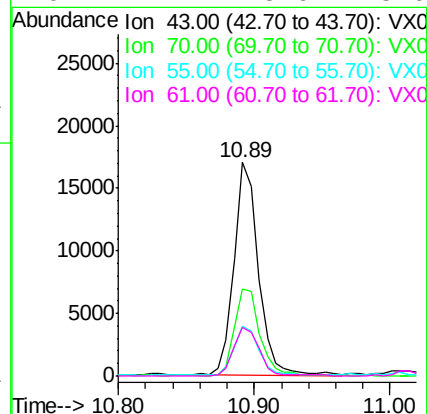
Ion Ratio Lower Upper

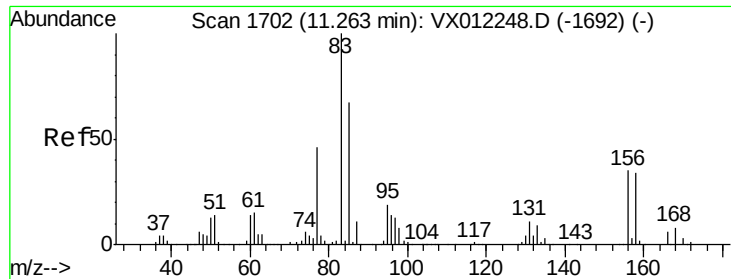
43 100

70 43.0 32.9 49.3

55 24.5 19.1 28.7

61 24.4 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 16.812 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS01

Tot Ion: 83 Resp: 17928

Ion Ratio Lower Upper

83 100

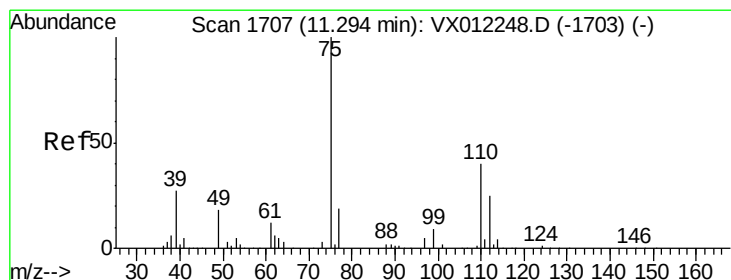
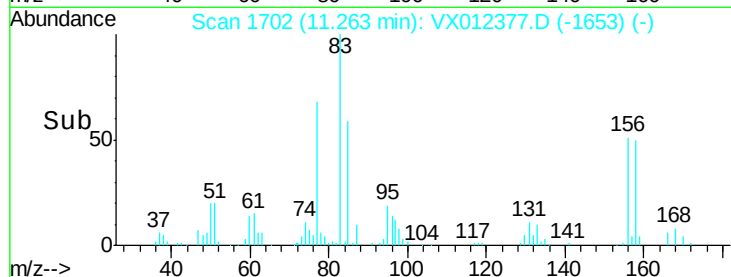
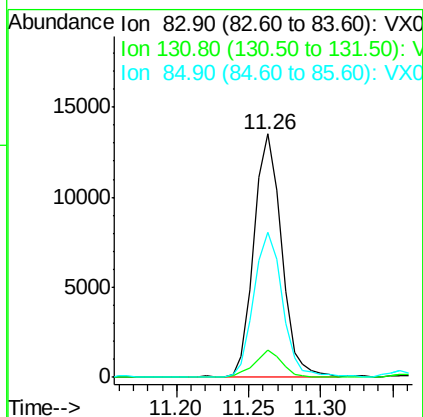
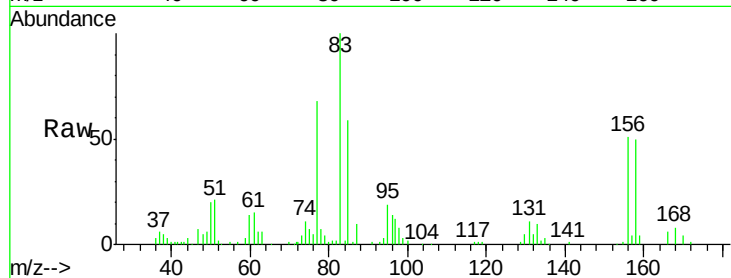
131 11.2 5.5 16.4

85 62.5 32.8 98.4

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#76

1,2,3-Trichloropropane

Concen: 16.321 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX012377.D

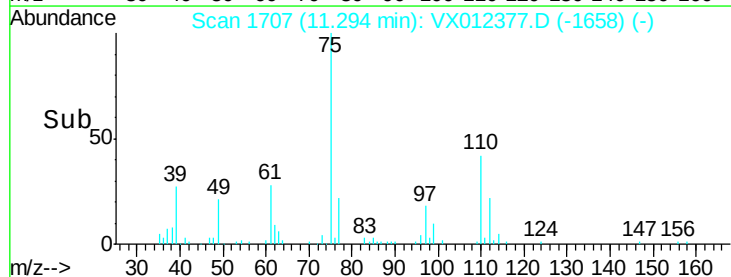
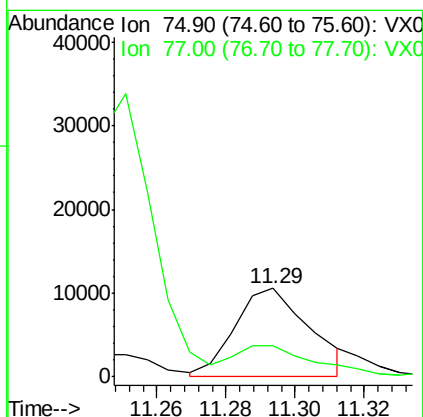
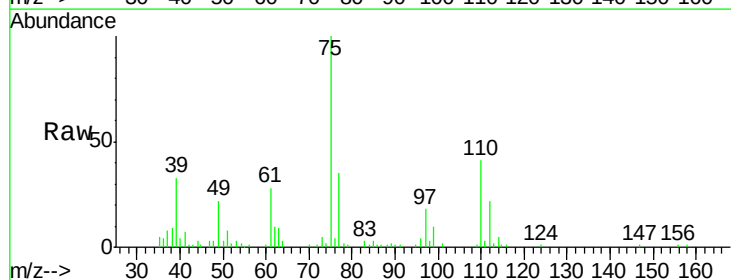
Acq: 13 Sep 2019 10:47

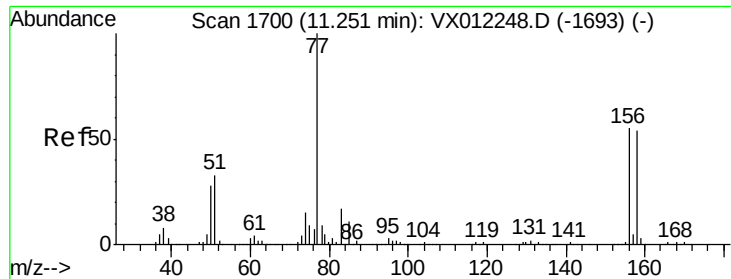
Tgt Ion: 75 Resp: 15814

Ion Ratio Lower Upper

75 100

77 38.5 19.7 59.0





#77

Bromobenzene

Concen: 21.525 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS01

Tot Ion:156 Resp: 24607

Ion Ratio Lower Upper

156 100

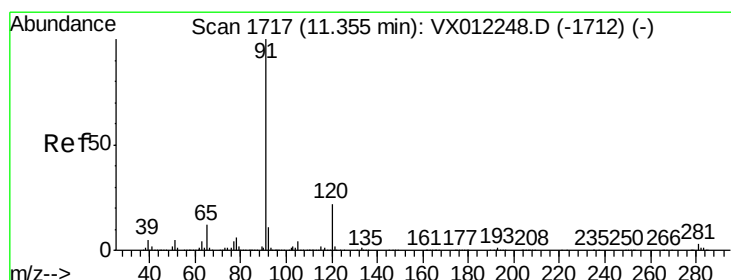
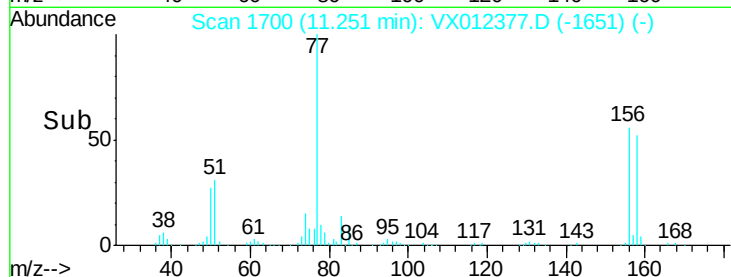
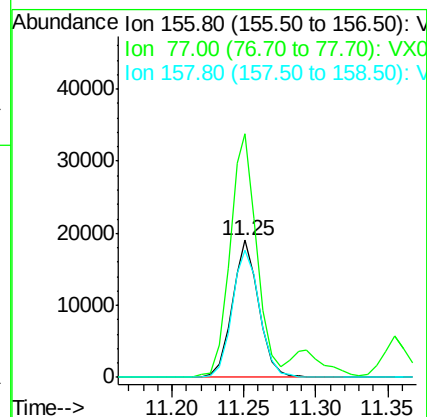
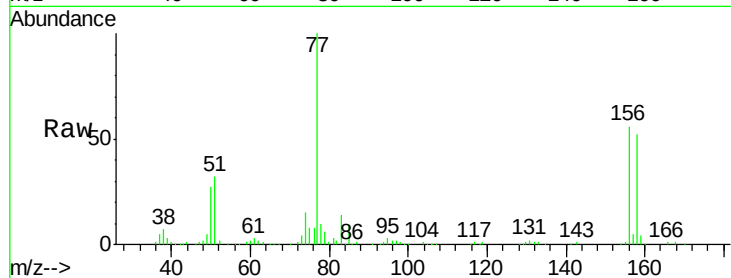
77 178.5 92.2 276.6

158 96.0 48.8 146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 24.727 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012377.D

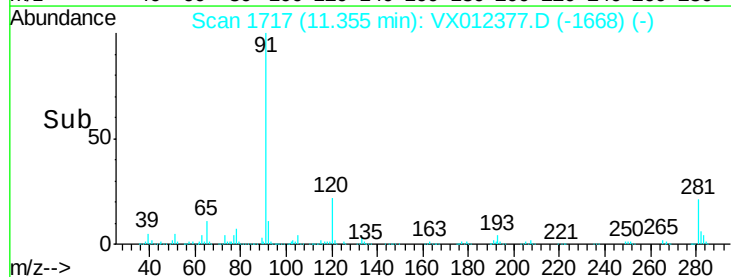
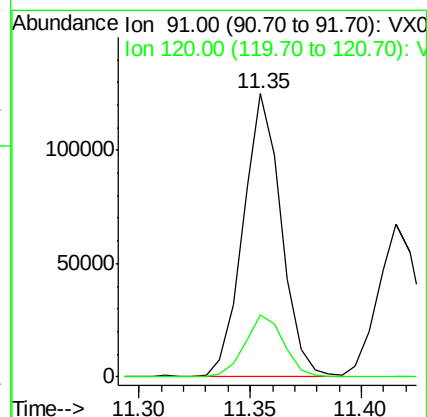
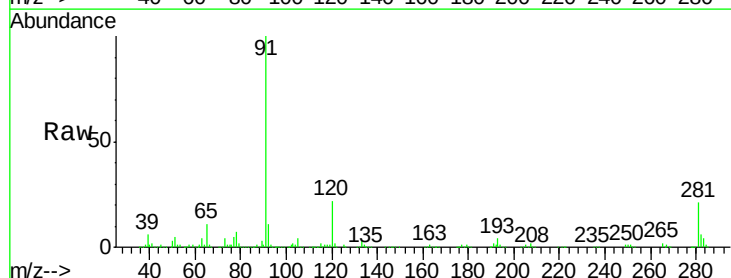
Acq: 13 Sep 2019 10:47

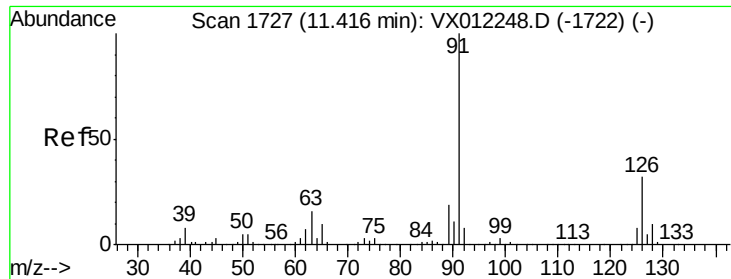
Tgt Ion: 91 Resp: 148261

Ion Ratio Lower Upper

91 100

120 22.4 11.2 33.6





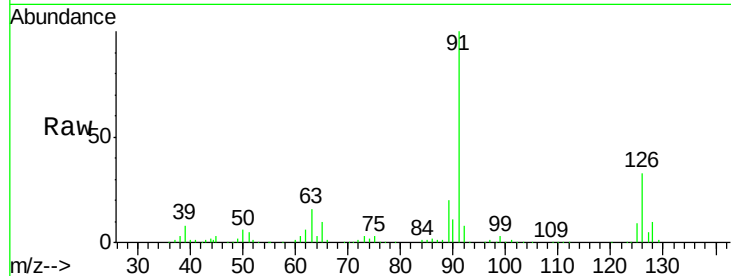
#79
2-Chlorotoluene
Concen: 22.607 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS01

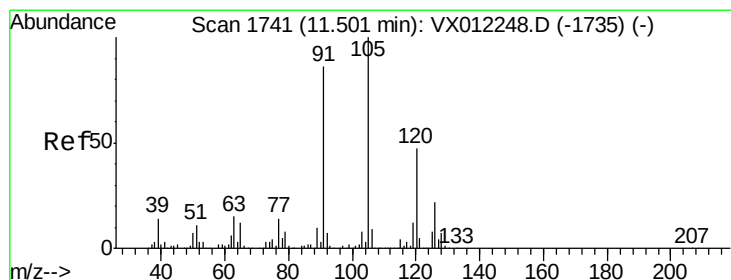
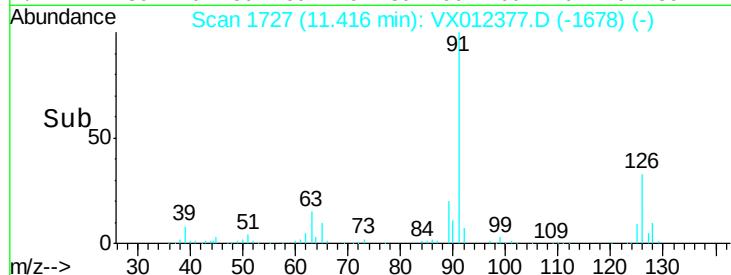
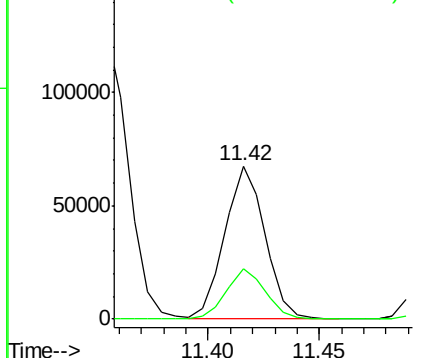
Tot Ion: 91 Resp: 83982
Ion Ratio Lower Upper
91 100
126 32.2 15.9 47.7

Manual Integrations
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9/16/2019 1:13:04 AM

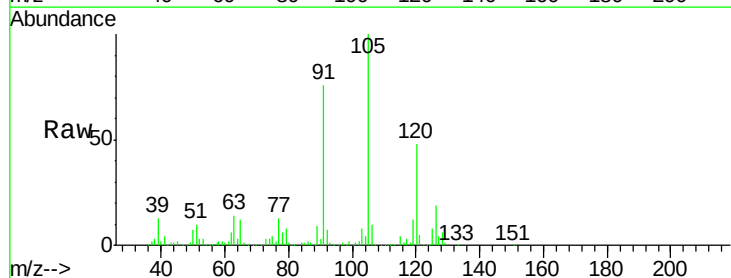


Abundance Ion 91.00 (90.70 to 91.70): VX012377.D (-1678) (-)
Ion 125.90 (125.60 to 126.60): VX012377.D (-1678) (-)

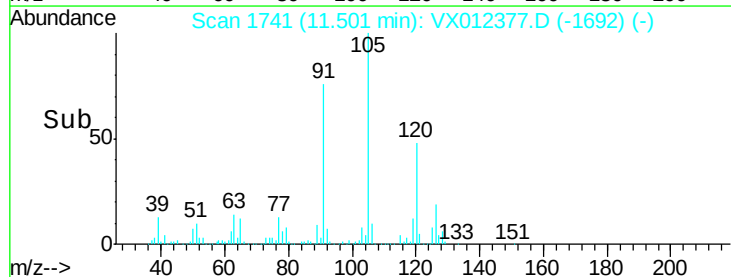
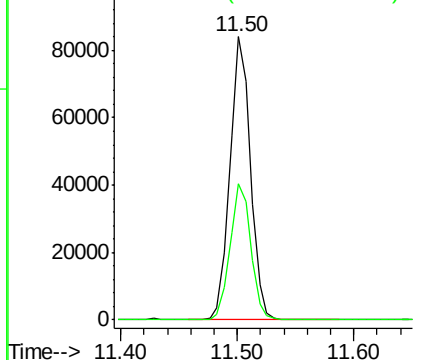


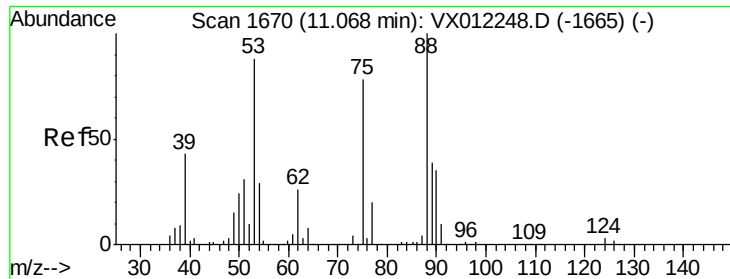
#80
1,3,5-Trimethylbenzene
Concen: 23.079 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Tgt Ion: 105 Resp: 103052
Ion Ratio Lower Upper
105 100
120 48.8 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VX012377.D (-1692) (-)
Ion 120.00 (119.70 to 120.70): VX012377.D (-1692) (-)





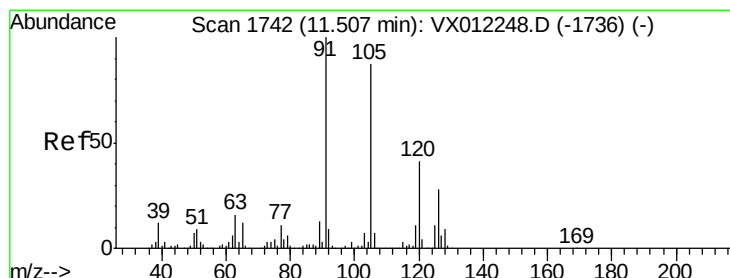
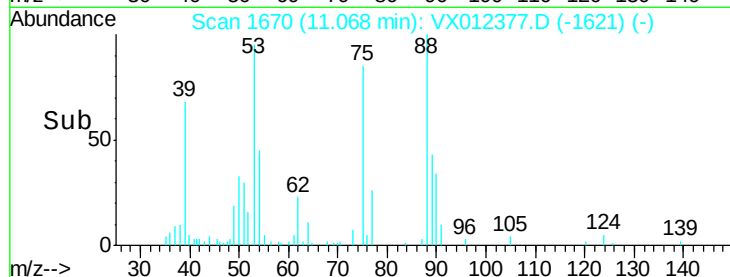
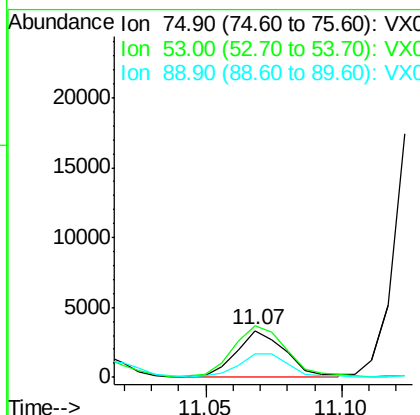
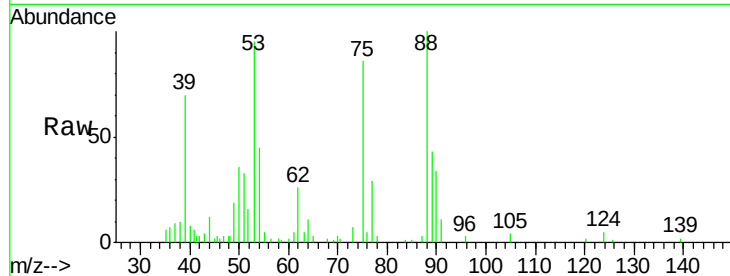
#81
trans-1,4-Dichloro-2-butene
Concen: 12.552 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	125.8	88.1	132.1
89	54.6	43.5	65.3

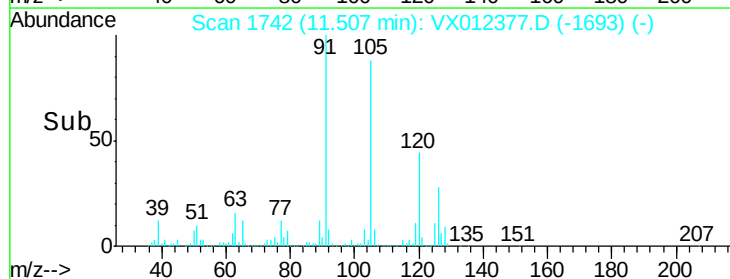
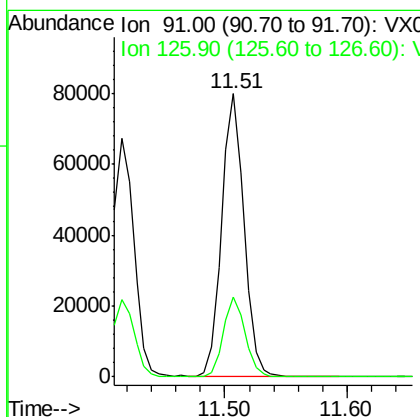
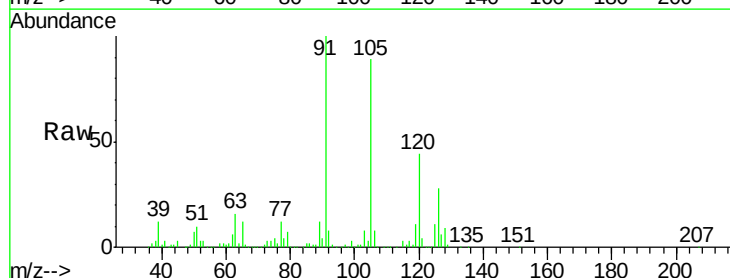
Manual Integrations
APPROVED

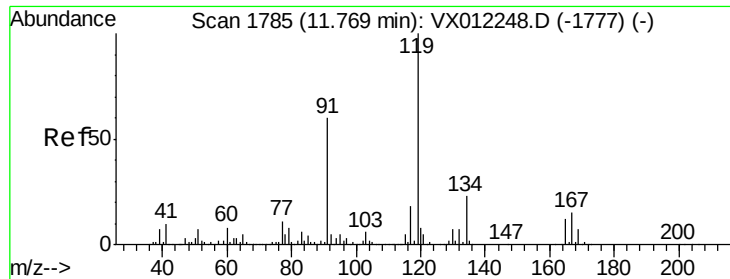
MMDadoda
9/16/2019 1:13:04 AM



#82
4-Chlorotoluene
Concen: 22.659 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.0	42.0





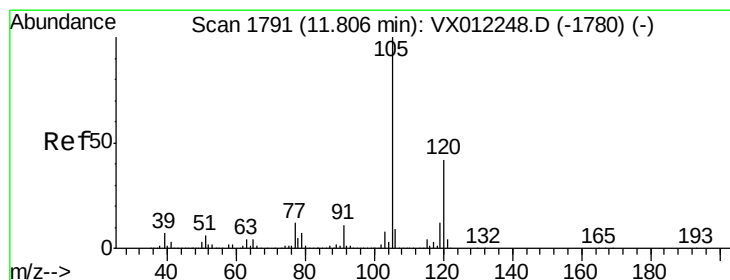
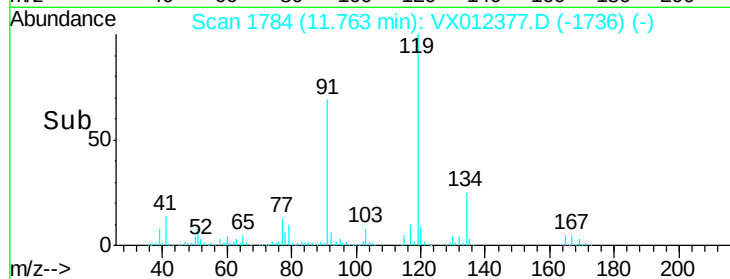
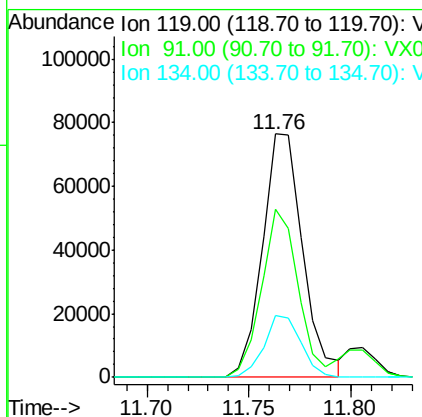
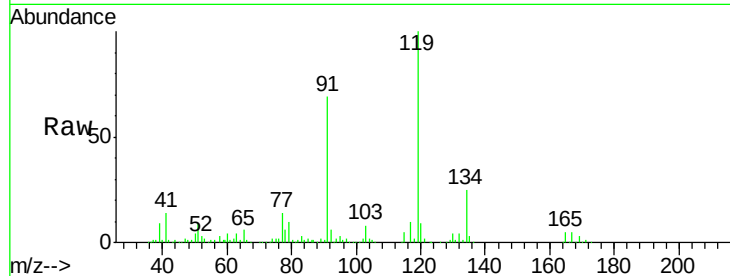
#83
 tert-Butylbenzene
 Concen: 24.354 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012377.D
 Acq: 13 Sep 2019 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	105593		
91	62.3	30.9	92.8	
134	23.5	11.2	33.6	

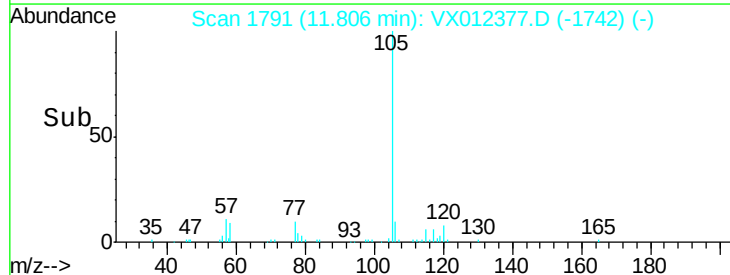
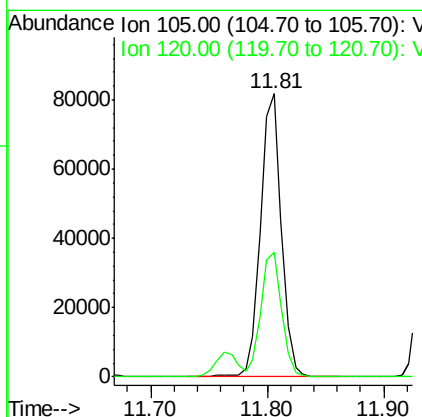
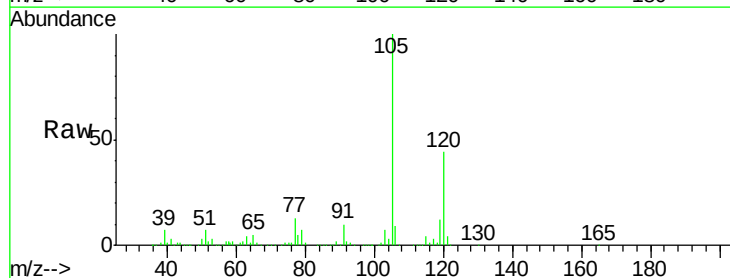
Manual Integrations
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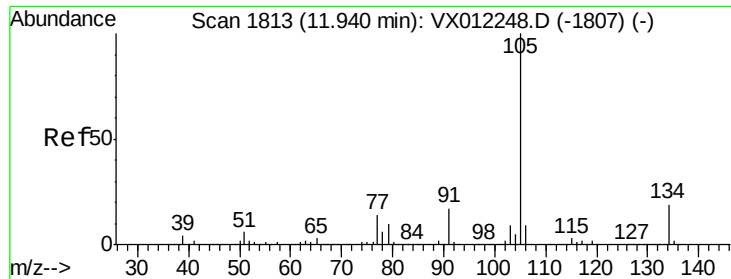
MMDadoda
 9/16/2019 1:13:04 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.145 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX012377.D
 Acq: 13 Sep 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	102222		
120	43.6	21.3	63.9	





#85

sec-Butylbenzene

Concen: 24.454 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS01

Tot Ion:105 Resp: 126511

Ion Ratio Lower Upper

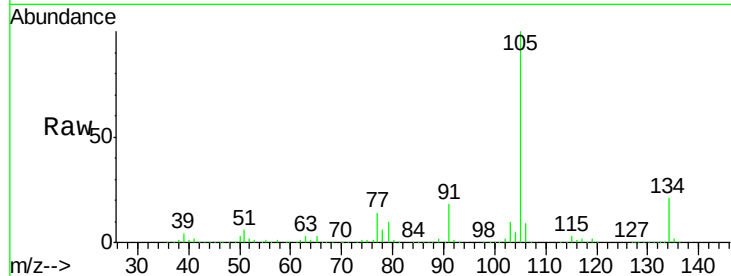
105 100

134 19.9 9.9 29.7

Manual Integrations
APPROVED

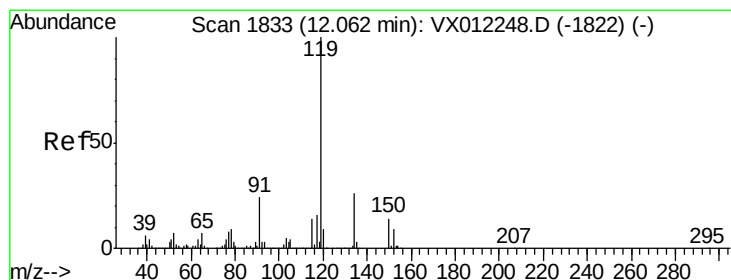
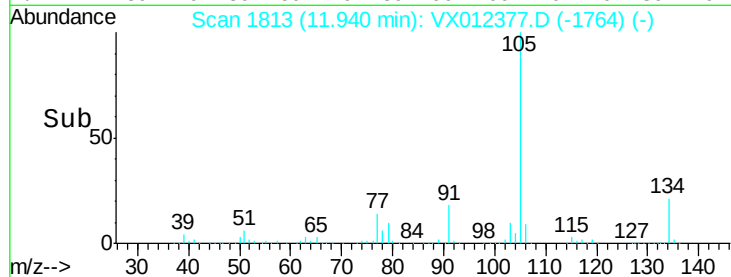
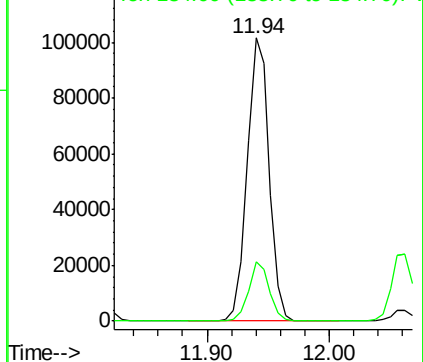
MMDadoda

9/16/2019 1:13:04 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.732 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

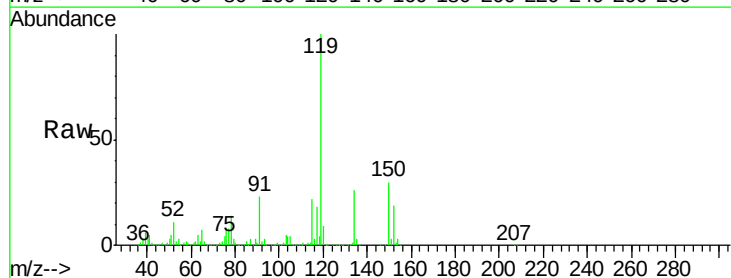
Tgt Ion:119 Resp: 113441

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.7

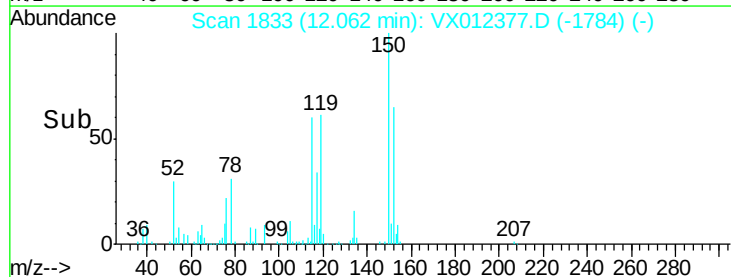
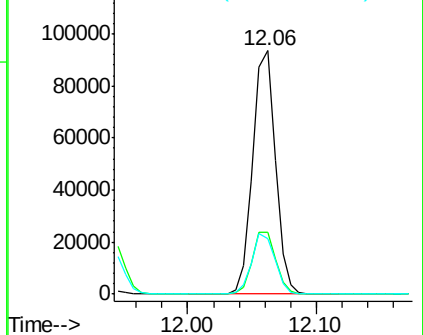
91 25.8 13.1 39.1

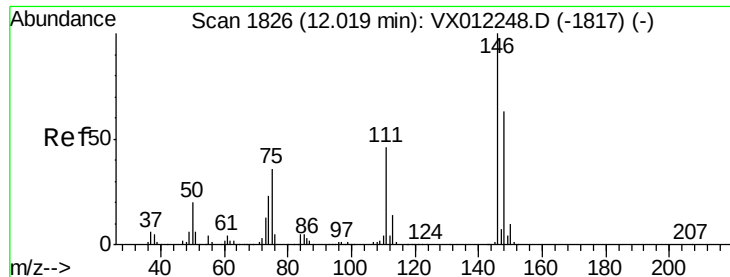


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





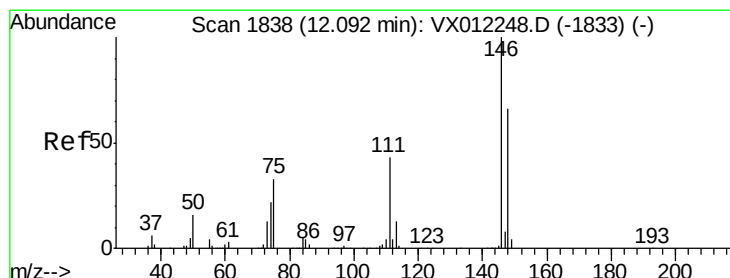
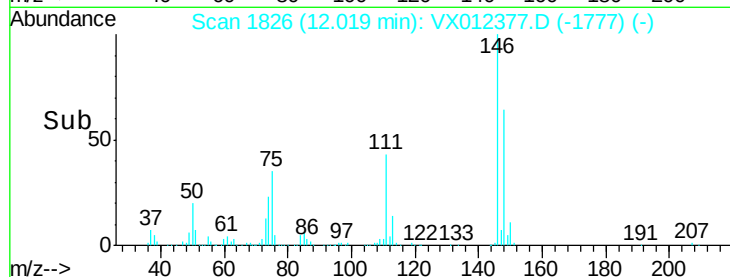
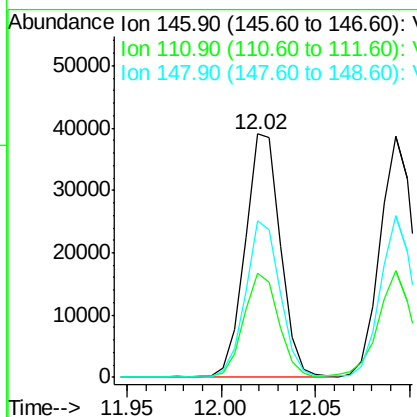
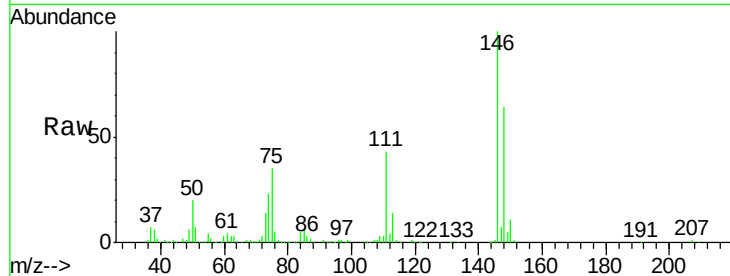
#87
 1,3-Dichlorobenzene
 Concen: 21.827 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012377.D
 Acq: 13 Sep 2019 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	22.3	66.8
148	63.4	31.5	94.5

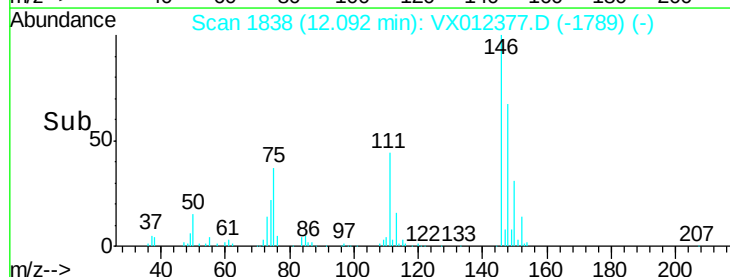
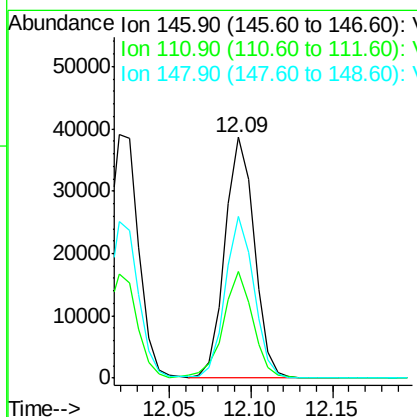
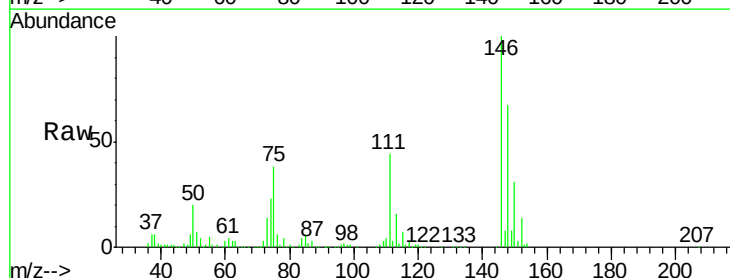
Manual Integrations
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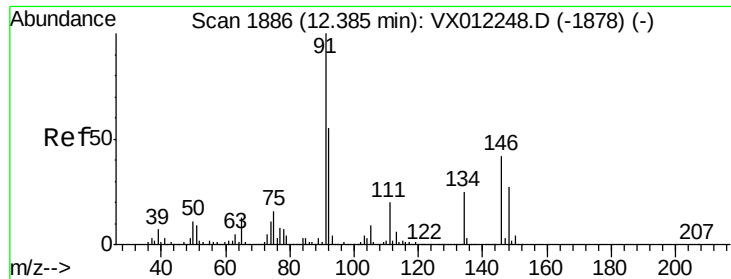
MMDadoda
 9/16/2019 1:13:04 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.608 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012377.D
 Acq: 13 Sep 2019 10:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.6	64.8
148	65.4	32.4	97.2





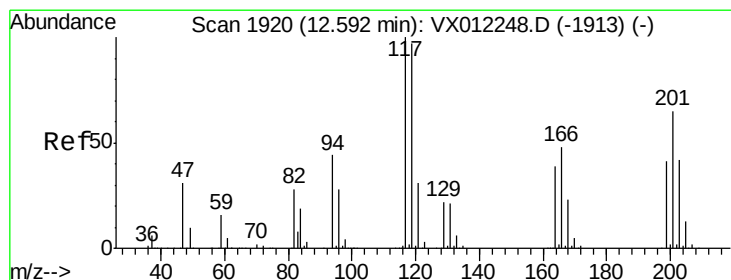
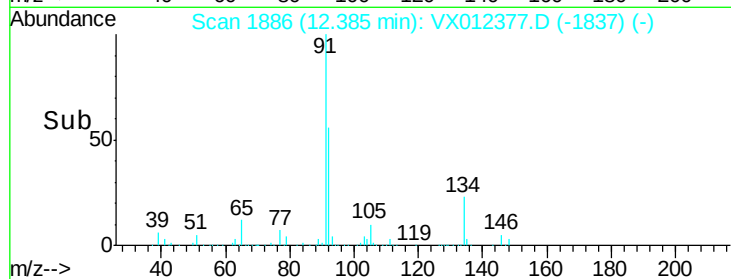
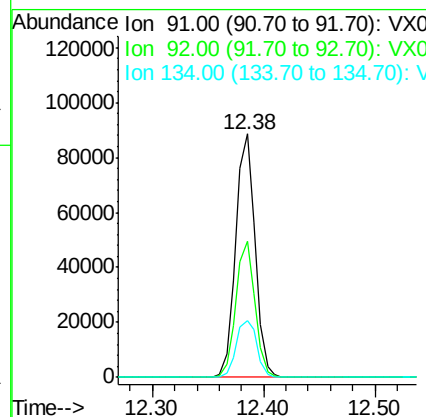
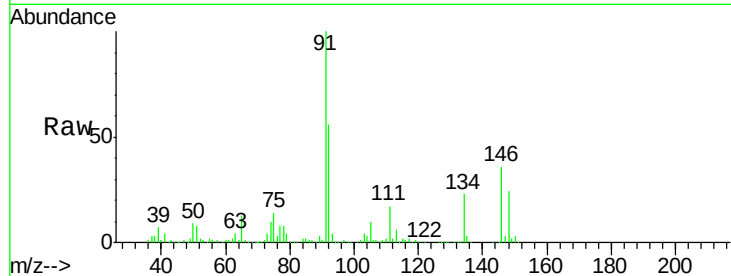
#89
n-Butylbenzene
Concen: 22.787 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	106757		
92	55.1		27.6	82.7
134	24.7		12.5	37.5

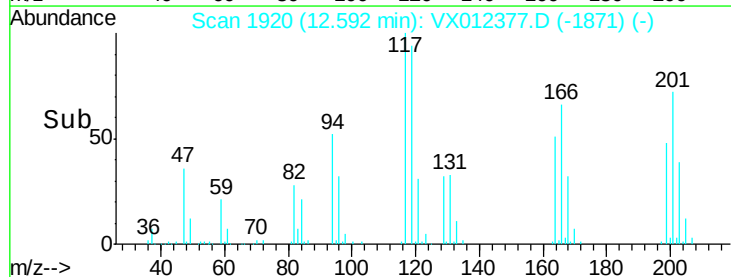
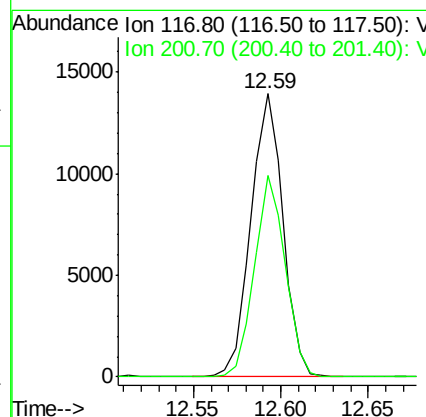
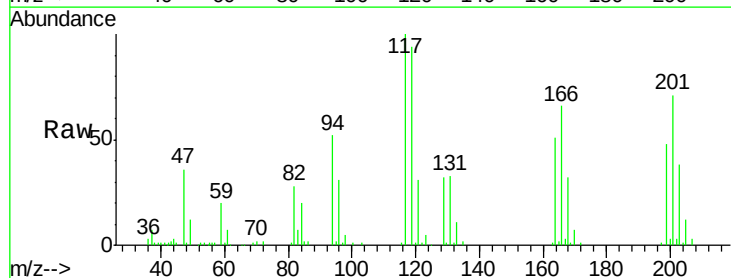
Manual Integrations
APPROVED

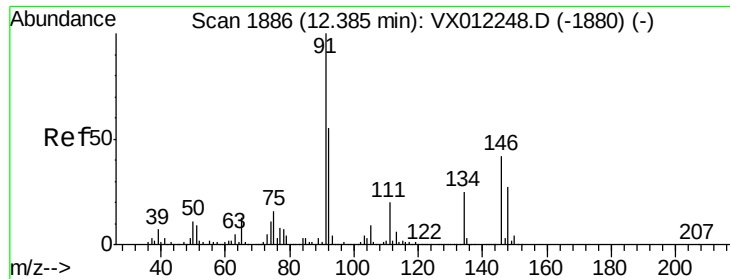
MMDadoda
9/16/2019 1:13:04 AM



#90
Hexachloroethane
Concen: 20.127 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	17721		
201	68.6		32.2	96.6





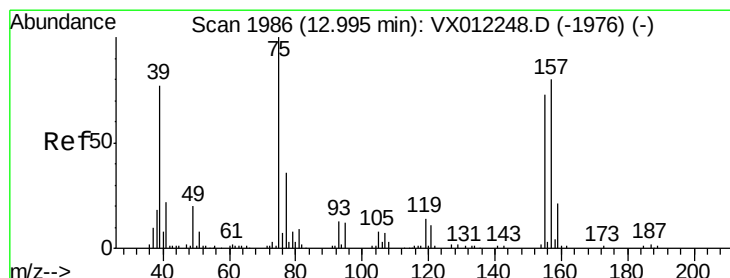
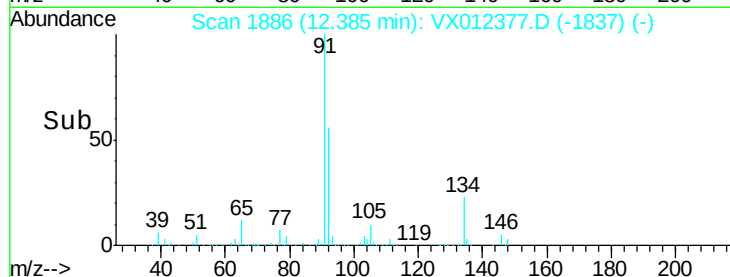
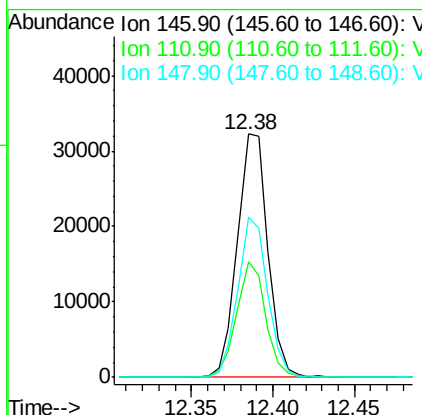
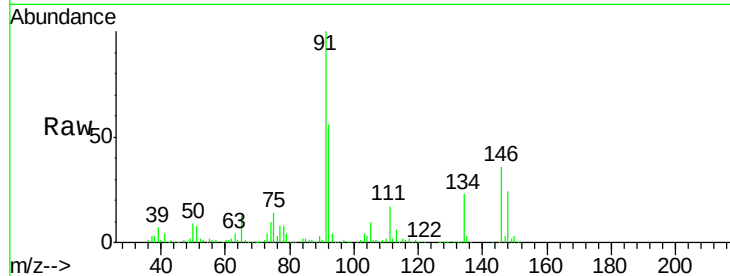
#91
 1,2-Dichlorobenzene
 Concen: 19.522 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012377.D
 Acq: 13 Sep 2019 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	23.2	69.6
148	64.3	32.4	97.0

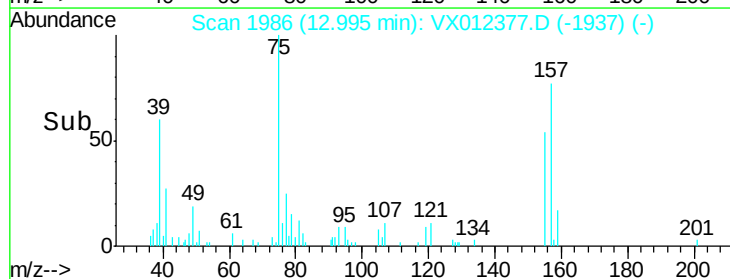
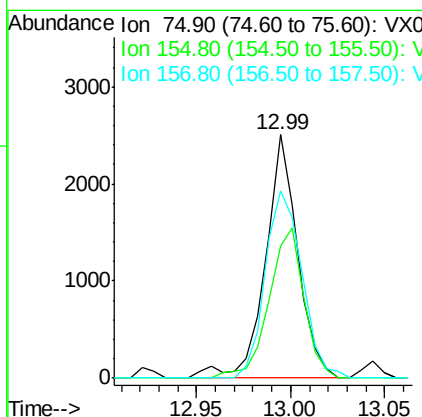
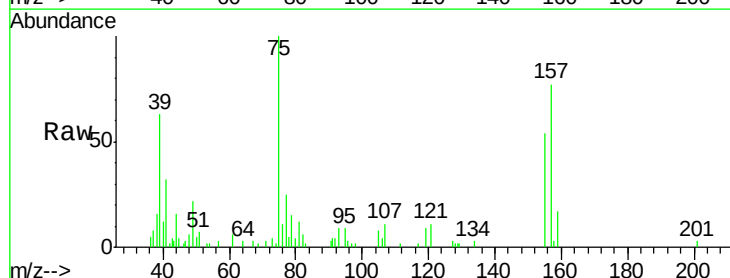
Manual Integrations
 APPROVED

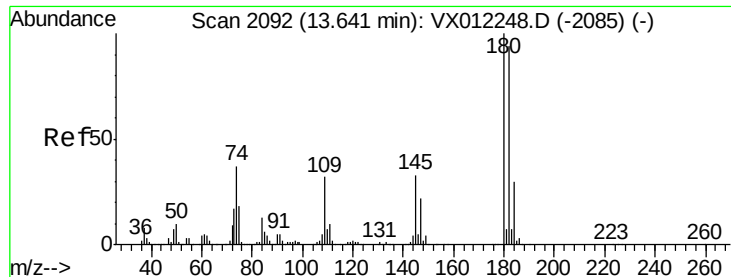
MMDadoda
 9/16/2019 1:13:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 13.728 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012377.D
 Acq: 13 Sep 2019 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.9	35.3	105.7
157	87.1	43.2	129.6





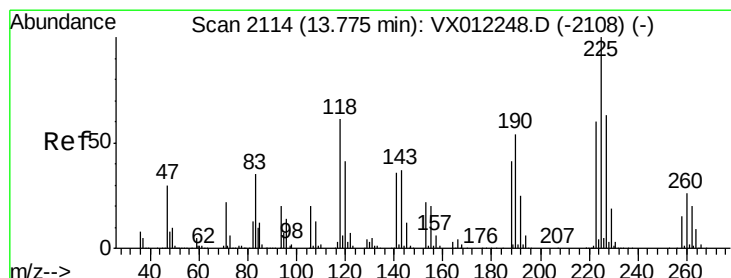
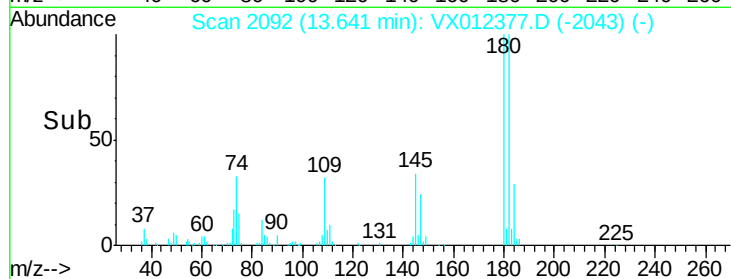
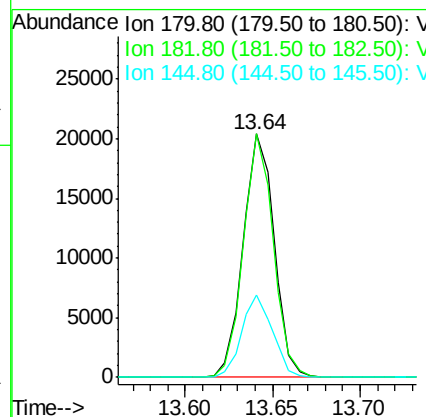
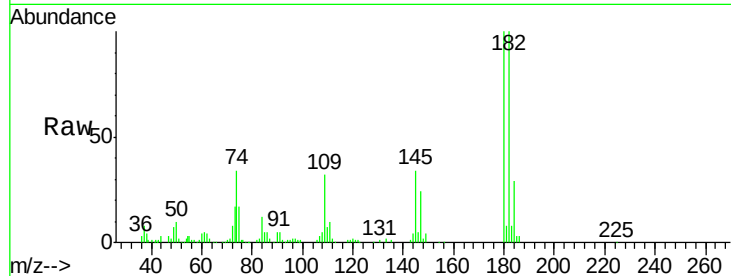
#93
1,2,4-Trichlorobenzene
Concen: 16.895 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	25133		
182	96.3	46.9	140.8	
145	33.5	17.1	51.2	

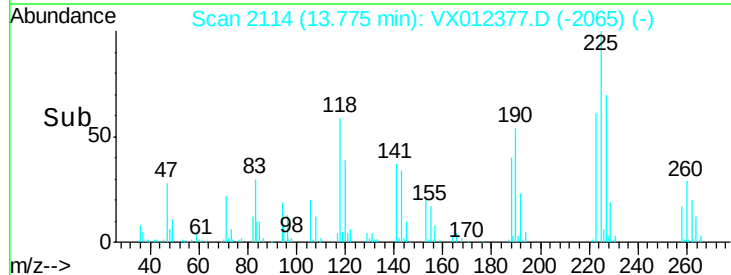
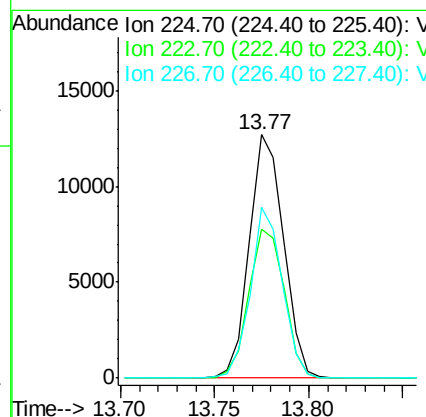
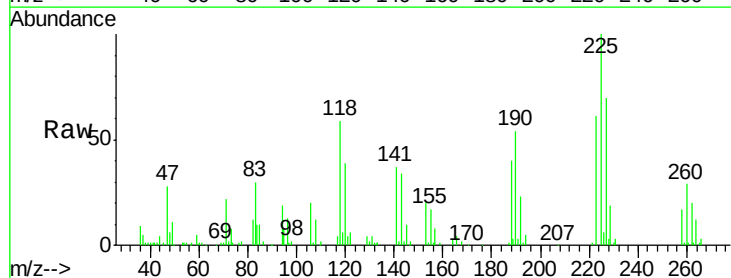
Manual Integrations
APPROVED

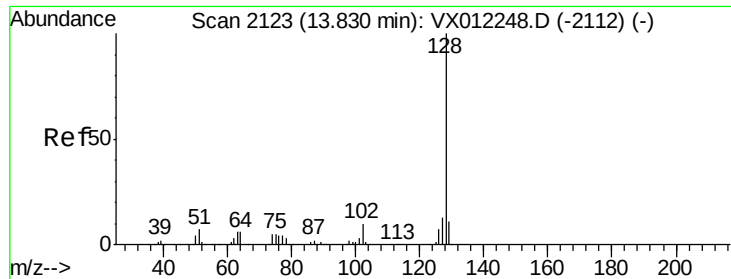
MMDadoda
9/16/2019 1:13:04 AM



#94
Hexachlorobutadiene
Concen: 21.641 ug/l
RT: 13.77 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VX012377.D
Acq: 13 Sep 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	16016		
223	63.4	32.1	96.5	
227	65.2	32.5	97.5	





#95

Naphthalene

Concen: 12.609 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Instrument :

MSVOA_X

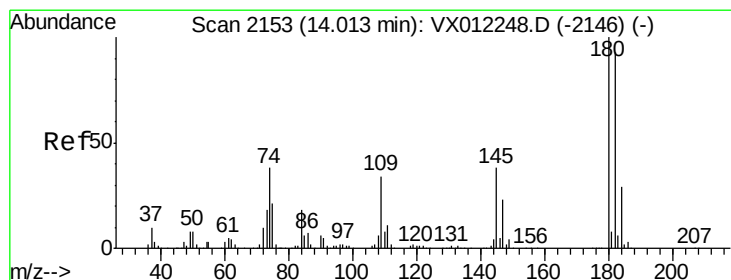
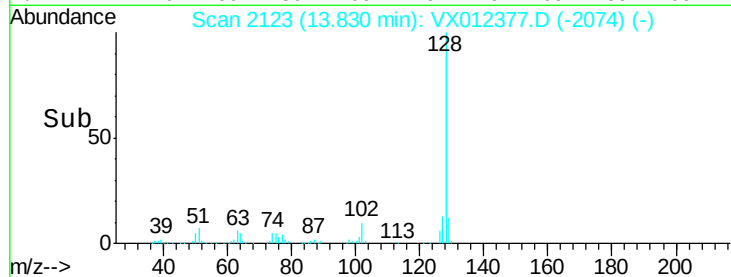
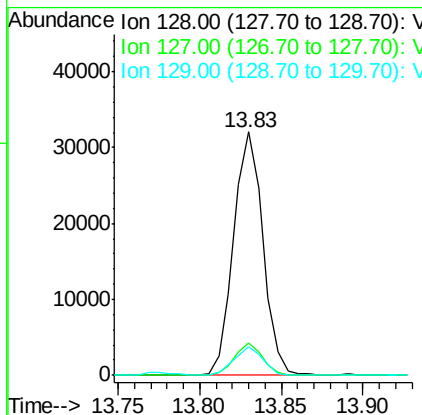
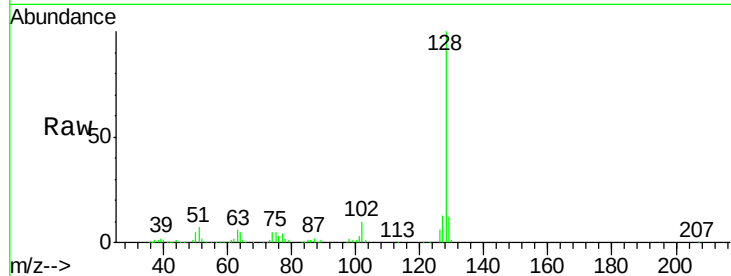
ClientSampleId :

VX0913SBS01

Tot Ion:	128	Resp:	40254
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.4	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/16/2019 1:13:04 AM



#96

1,2,3-Trichlorobenzene

Concen: 15.414 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX012377.D

Acq: 13 Sep 2019 10:47

Tgt Ion:	180	Resp:	20288
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.0	141.0
145	38.7	18.6	55.8

